



Campus Point Master Plan Project

Air Quality Study

prepared for
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1 Project Description

1.1 Introduction

This study analyzes the potential air quality impacts of the proposed Campus Point Master Plan Project (herein referred to as “proposed project” or “project”) in San Diego, California. Rincon Consultants, Inc. (Rincon) prepared this study for LPA Design Studios for use in support of environmental documentation being prepared for the project pursuant to the California Environmental Quality Act (CEQA). The purpose of this study is to analyze the project’s air quality impacts related to both temporary construction activity and long-term operation of the project. Table 1 provides a summary of project impacts.

Table 1 Summary of Impacts

Issue	Level of Significance	Applicable Recommendations
Would the project conflict with or obstruct implementation of the San Diego Regional Air Quality Strategy or applicable portions of the State Implementation Plan?	No impact	None
Would the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?	Less than significant impact	None
Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the SDAB is nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	Less than significant impact	None
Would the project expose sensitive receptors (i.e., day care centers, schools, retirement homes, and hospitals or medical patients in residential homes which could be impacted by air pollutants) to substantial pollutant concentrations?	Less than significant impact	None
Would the project create objectionable odors affecting a substantial number of people?	Less than significant impact	None
Would the project release substantial quantities of air contaminants beyond the boundaries of the premises upon which the stationary source emitting the contaminants is located?	No impact	None

1.2 Project Summary

1.2.1 Project Location

The project site is located within the city of San Diego. The 84.79-acre project site is located within the University Community Planning (UCP) area in the northwestern portion of the City. The UCP area encompasses approximately 8,500 acres and is generally bounded by Los Peñasquitos Lagoon and Torrey Pines on the north, Interstate 805 and Mira Mesa on the east, State Route 52 on the south, and La Jolla and the Pacific Ocean on the west. The project site is situated between Interstate 5 and Interstate 805, approximately 0.5 mile south of where the two freeways converge.

The following addresses and Assessor’s Parcel Numbers (APNs) are associated with the project site:

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- 10300 Campus Point Drive (APN 343-230-13)
- 10290 Campus Point Drive (APN 343-230-14)
- 4110 Campus Point Court (APN 343-230-38)
- 4161 Campus Point Court (APN 343-230-43)
- 10260 Campus Point Drive (APN 343-230-42)
- 4210 & 4224 Campus Point Court (APN 343-230-40)
- 4242 & 4244 Campus Point Court (APN 343-230-41)
- 10210 Campus Point Drive (APN 343-230-17)

The project site is bound on the north by undeveloped land, on the west by a steep hillside adjacent to Interstate 5, on the east by vacant land, and on the south by industrial development. See Figure 1 for the project site location in a regional context and Figure 2 for the project site location in a local context.

Figure 1 Regional Location

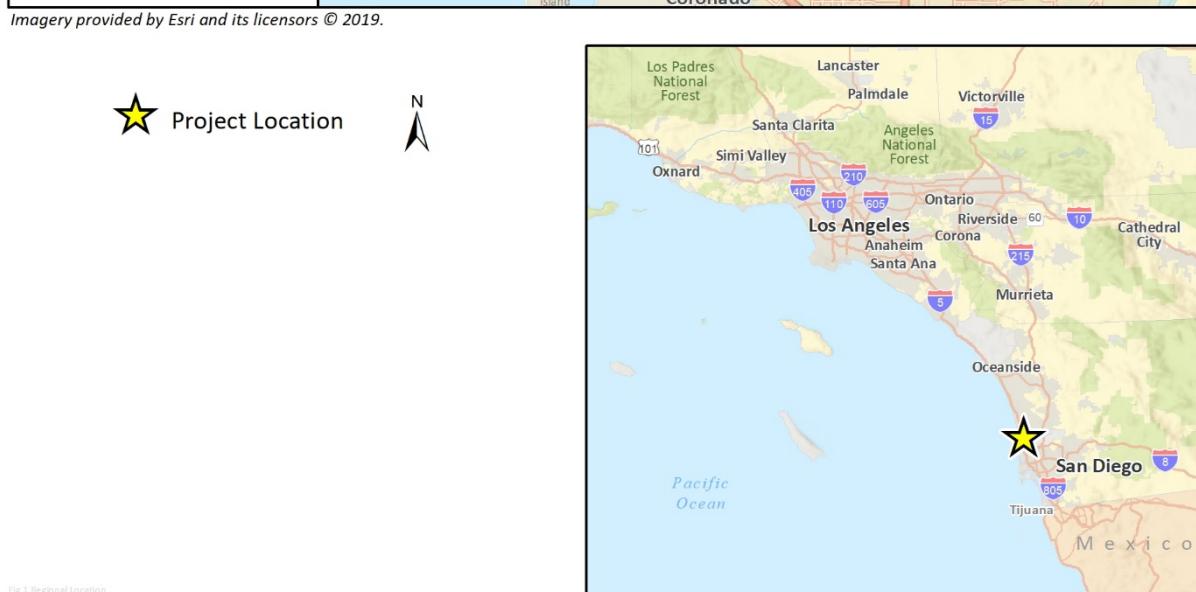
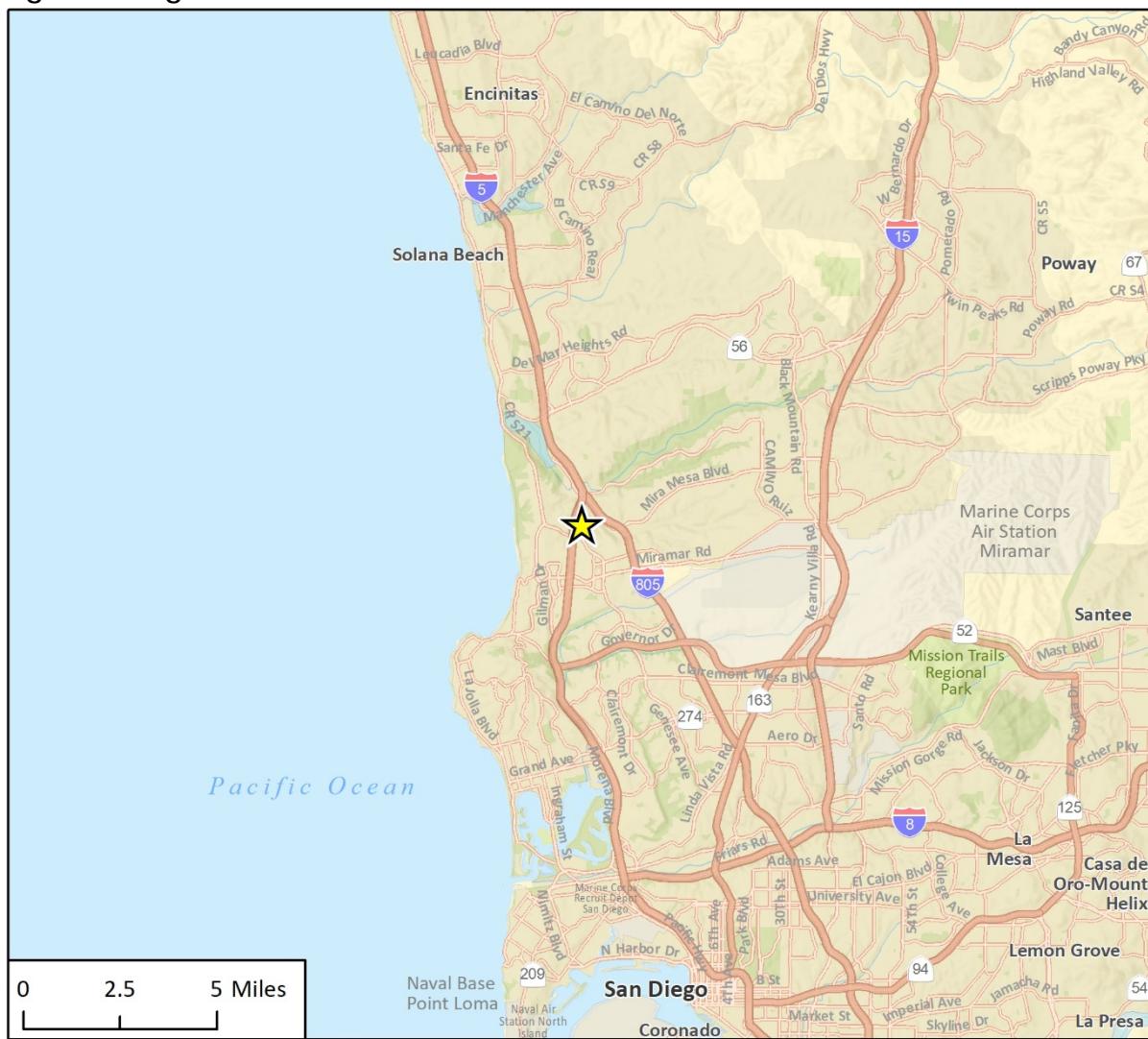
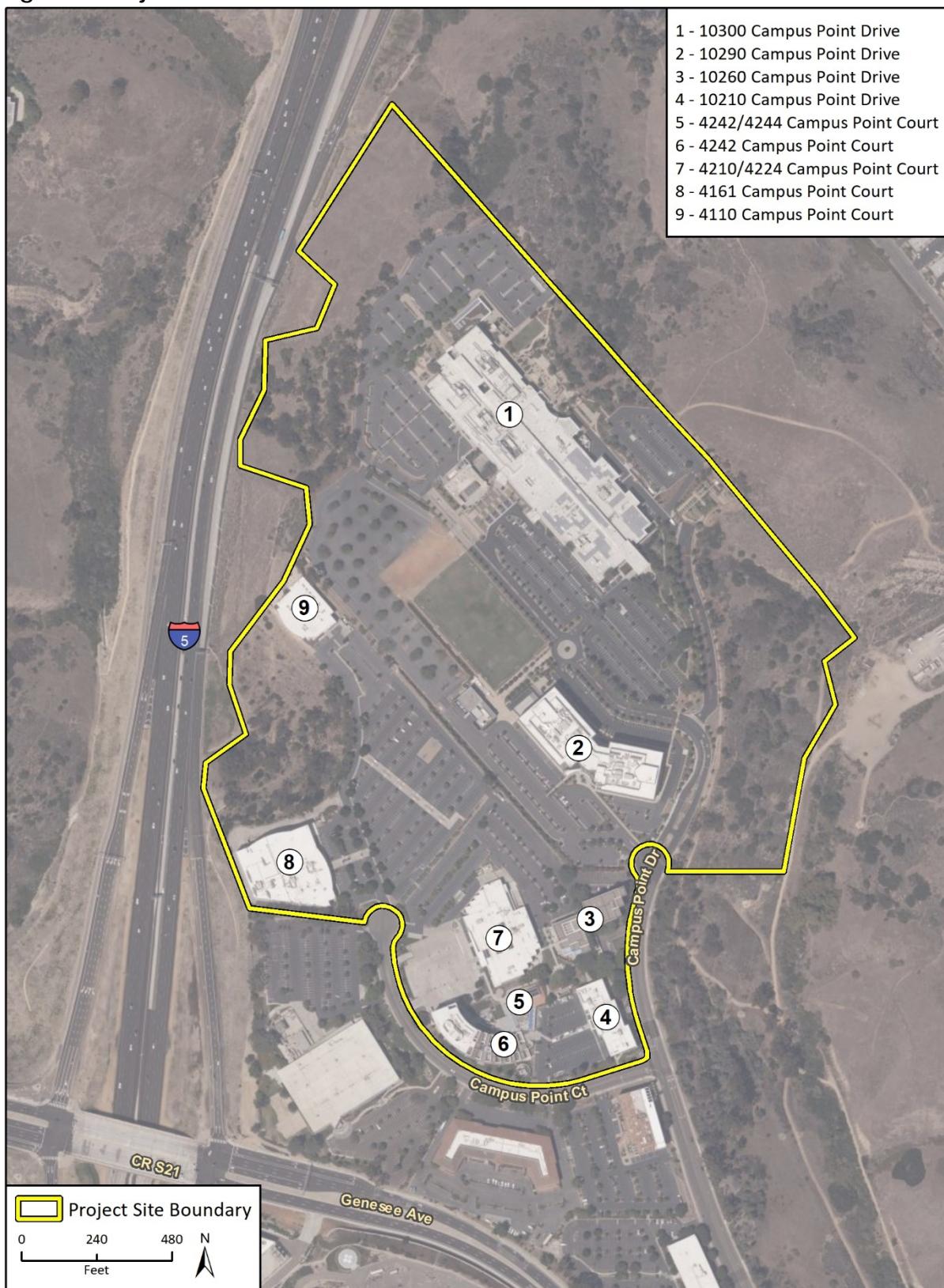


Figure 2 Project Site Location



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AQFig 2 Project Site Location

1.2.2 Project Description

The applicant proposes to increase the existing approved development intensity of the project site from 1,673,633 gross floor area (GFA) to 1,901,913 GFA. The net increase of the proposed development intensity over the existing development intensity is 227,980 GFA. The proposed development intensity increase would include the following existing buildings to remain: CP1, CP1-1, CP2, CP2-1, CPS1, CPS2, CPS3, and CPS4 with a total of 1,345,250 GFA. New buildings that are being processed separately under a ministerial permit include CP4 and P1 with a total of 245,607 GFA. Proposed new buildings under the proposed permit analyzed herein include CP3, CP5, CP6, CP7, and P2, which make up a total of 626,032 GFA. Of this total, approximately 621,032 square feet would be scientific research uses and approximately 5,000 square feet would be accessory amenity use intended to serve employees associated with tenants of on-site buildings and adjacent properties. In addition, approximately 2,055 parking spaces would be constructed across the six buildings with structured and surface parking.

Three existing buildings are planned to be demolished, including the buildings at 10260 Campus Point Drive, 4110 Campus Point Court, and 4161 Campus Point Court, with a total of 315,276 GFA. The buildings to be demolished currently house scientific research uses. Other proposed improvements include reconfiguration of the main “boulevard” (private road), which provides for circulation through the campus.

1.2.3 Demolition and Construction

Project demolition and construction are expected to commence in year 2021 with completion by year 2027. Demolition and construction would be phased with activities associated with CP5 and P2 occurring from 2021 to 2022, followed by CP3 from 2022 to 2024, CP6 from 2024 to 2025, and CP7 from 2025 to 2027. Construction would require export of approximately 160,690 cubic yards of soil material that would be hauled to the Miramar Greenery facility at the Miramar Landfill approximately 6.6 miles southeast of the project site.

1.2.4 Sustainability Features

The project would include several sustainability features including:

- Use of roofing materials meeting the performance standard of a minimum 3-year aged solar reflection and thermal emittance or solar reflection index equal to or greater than the values specified in the measures under California Green Building Standards Code for non-residential structures as shown in Appendix A of the City's Climate Action Plan Checklist Application Form
- Installation of plumbing fixtures and fittings that do not exceed the maximum flow rate specified in Table A5.303.2.3.1 (voluntary measures) of the California Green Building Standards Code
- Installation of appliances and fixtures for commercial applications that meet the provisions of Section A5.303.3 (voluntary measures) of the California Green Building Standards Code
- Installation of infrastructure for electrical vehicle supply equipment per building code requirements
- Inclusion of bicycle parking spaces per code requirements
- Provision of shower/changing facilities and personal effects lockers

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- Designation of parking spaces as low-emitting, fuel-efficient, and carpool/vanpool parking spaces per code requirements
- Implementation of a Transportation Demand Program as outlined in the project's Local Mobility Analysis / Vehicle Miles Traveled report (Urban Systems Associates, Inc. 2020)

2 Environmental and Regulatory Setting

2.1 Local Climate and Meteorology

The project site is in the San Diego Air Basin (SDAB), which encompasses all of San Diego County and is under the jurisdiction of the San Diego County Air Pollution Control District (SDAPCD). The climate in southern California, including the SDAB, is controlled largely by the strength and position of the subtropical high-pressure cell over the Pacific Ocean. Areas within 30 miles of the coast experience moderate temperatures and comfortable humidity. Precipitation is limited to a few storms during the winter season. The climate of San Diego County is characterized by hot, dry summers, and mild, wet winters. The normal wind pattern is a gentle, onshore breeze which builds to about 8 to 13 miles per hour in the mid-afternoon. In general, air pollution emitted along the more densely populated, semi-arid coastal areas in the morning rush hour and throughout much of the workday is blown inland on a regular basis. As the land cools after sunset, the wind direction changes to blow towards the coast at about three to five miles per hour. Consequently, while the bulk of air pollution in the region is produced along the populated coastline areas, these pollutants are transported inland on most days by later morning and early afternoon sea breezes (City of San Diego 2008). In addition, transported pollution from the South Coast Air Basin (the neighboring air basin to the north) and Mexico increases pollution levels in the SDAB under certain weather conditions (SDAPCD 2020a).

Air pollutant emissions in the SDAB are generated primarily by stationary and mobile sources.

Stationary sources can be divided into two major subcategories:

- Point sources occur at a specific location and are often identified by an exhaust vent or stack. Examples include boilers or combustion equipment that produce electricity or generate heat.
- Area sources are widely distributed and include such sources as residential and commercial water heaters, painting operations, lawn mowers, agricultural fields, landfills, and some consumer products.

Mobile sources refer to emissions from motor vehicles, including tailpipe and evaporative emissions, and can also be divided into two major subcategories:

- On-road sources may be legally operated on roadways and highways.
- Off-road sources include aircraft, ships, trains, and self-propelled construction equipment.

Air pollutants can also be generated by the natural environment, such as when high winds suspend fine dust particles.

2.2 Air Pollutants of Primary Concern

The federal and State Clean Air Acts (CAA) mandate the control and reduction of certain air pollutants. Under these laws, the U.S. Environmental Protection Agency (U.S. EPA) and the California Air Resources Board (CARB) have established the National Ambient Air Quality Standards (NAAQS) and the California Ambient Air Quality Standards (CAAQS) for “criteria pollutants” and other pollutants. Primary criteria pollutants are emitted directly from a source (e.g., vehicle tailpipe, an exhaust stack of a factory, etc.) into the atmosphere. Primary criteria pollutants include carbon

monoxide, volatile organic compounds (VOC)/reactive organic gases (ROG),¹ nitrogen oxides (NO_x), particulate matter, sulfur dioxide, and lead. Secondary criteria pollutants are created by atmospheric chemical and photochemical reactions primarily between VOC and NO_x. Secondary pollutants include oxidants, ozone, and sulfate and nitrate particulates (smog). The following subsections describe the characteristics, sources, and health and atmospheric effects of air pollutants.

Ozone

Ozone is produced by a photochemical reaction (triggered by sunlight) between NO_x and VOC. VOC are composed of non-methane hydrocarbons (with some specific exclusions), and NO_x is composed of different chemical combinations of nitrogen and oxygen, mainly nitric oxide and nitrogen dioxide. NO_x are formed during the combustion of fuels, while VOC are formed during combustion and evaporation of organic solvents. As a highly reactive molecule, ozone readily combines with many different components of the atmosphere. Consequently, high levels of ozone tend to exist only while high VOC and NO_x levels are present to sustain the ozone formation process. Once the precursors have been depleted, ozone levels rapidly decline. Because these reactions occur on a regional rather than local scale, ozone is considered a regional pollutant. In addition, because ozone requires sunlight to form, it mostly occurs in concentrations considered serious between the months of April and October. Ozone is a pungent, colorless, toxic gas with direct health effects on humans, including changes in breathing patterns, reduction of breathing capacity, increased susceptibility to infections, inflammation of lung tissue, and some immunological changes (SDAPCD 2020a). Groups most sensitive to ozone include children, the elderly, people with respiratory disorders, and people who exercise strenuously outdoors.

Carbon Monoxide

Carbon monoxide is a localized pollutant that is found in high concentrations only near its source. The major source of carbon monoxide, a colorless, odorless, poisonous gas, is the incomplete combustion of petroleum fuels by automobile traffic. Therefore, elevated concentrations are usually only found near areas of high traffic volumes. Other sources of carbon monoxide include the incomplete combustion of petroleum fuels at power plants and fuel combustion from wood stoves and fireplaces during the winter. The health effects of carbon monoxide are related to its affinity for hemoglobin in the blood. Carbon monoxide causes a number of health problems, including aggravation of some heart diseases (e.g., angina), reduced tolerance for exercise, impaired mental function, and impaired fetal development. At high levels of exposure, carbon monoxide reduces the amount of oxygen in the blood, leading to mortality (U.S. EPA 2018). Carbon monoxide tends to dissipate rapidly into the atmosphere; consequently, violations of the NAAQS and/or CAAQS for carbon monoxide are generally associated with localized carbon monoxide “hotspots” that can occur at major roadway intersections during heavy peak-hour traffic conditions.

¹ CARB defines VOC and ROG similarly as, “any compound of carbon excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate,” with the exception that VOC are compounds that participate in atmospheric photochemical reactions. For the purposes of this analysis, ROG and VOC are considered comparable in terms of mass emissions, and the term VOC is used in this report.

Nitrogen Dioxide

Nitrogen dioxide is a by-product of fuel combustion; the primary sources are motor vehicles and industrial boilers and furnaces. The principal form of NO_x produced by combustion is nitric oxide, but nitric oxide reacts rapidly to form nitrogen dioxide, creating the mixture of nitric oxide and nitrogen dioxide commonly called NO_x. Nitrogen dioxide is an acute irritant that can aggravate respiratory illnesses and symptoms, particularly in sensitive groups (U.S. EPA 2018). A relationship between nitrogen dioxide and chronic pulmonary fibrosis may exist, and an increase in bronchitis in young children at concentrations below 0.3 parts per million (ppm) may occur. Nitrogen dioxide absorbs blue light, gives a reddish-brown cast to the atmosphere, and reduces visibility. It can also contribute to the formation of PM₁₀ and acid rain (U.S. EPA 2018).

Sulfur Dioxide

Sulfur dioxide is included in a group of highly reactive gases known as “oxides of sulfur.” The largest sources of sulfur dioxide emissions are from fossil fuel combustion at power plants (73 percent) and other industrial facilities (20 percent). Smaller sources of sulfur dioxide emissions include industrial processes such as extracting metal from ore and the burning of fuels with a high sulfur content by locomotives, large ships, and off-road equipment. Sulfur dioxide is linked to a number of adverse effects on the respiratory system, including aggravation of respiratory diseases, such as asthma and emphysema, and reduced lung function (U.S. EPA 2018).

Particulate Matter

Small particulate matter measuring no more than 10 microns in diameter is PM₁₀, while fine particulate matter measuring no more than 2.5 microns in diameter is PM_{2.5}. Both PM₁₀ and PM_{2.5} are directly emitted into the atmosphere as by-products of fuel combustion and wind erosion of soil and unpaved roads. Particulate matter is also created in the atmosphere through chemical reactions. The characteristics, sources, and potential health effects associated with PM₁₀ and PM_{2.5} can be very different. PM₁₀ is generally associated with dust mobilized by wind and vehicles while PM_{2.5} is generally associated with combustion processes as well as formation in the atmosphere as a secondary pollutant through chemical reactions. PM_{2.5} is more likely to penetrate deeply into the lungs and poses a health threat to all groups, but particularly to the elderly, children, and those with respiratory problems (CARB 2020a). More than half of the small and fine particulate matter that is inhaled into the lungs remains there. These materials can damage health by interfering with the body's mechanisms for clearing the respiratory tract or by acting as carriers of an absorbed toxic substance (South Coast Air Quality Management District 2005). Suspended particulates can also reduce lung function, aggravate respiratory and cardiovascular diseases, increase mortality rates, and reduce lung function growth in children (U.S. EPA 2018).

Lead

Lead is a metal found naturally in the environment, as well as in manufacturing products. The major sources of lead emissions historically have been mobile and industrial sources. However, as a result of the U.S. EPA's regulatory efforts to remove lead from gasoline, atmospheric lead concentrations have declined substantially over the past several decades. The most dramatic reductions in lead emissions occurred prior to 1990 due to the removal of lead from gasoline sold for most highway vehicles. Lead emissions were further reduced substantially between 1990 and 2008, with reductions occurring in the metals industries at least in part as a result of national emissions standards for hazardous air pollutants (U.S. EPA 2013). As a result of phasing out leaded gasoline,

metal processing currently is the primary source of lead emissions. The highest level of lead in the air is generally found near lead smelters. Other stationary sources include waste incinerators, utilities, and lead-acid battery manufacturers. The health impacts of lead include behavioral and hearing disabilities in children and nervous system impairment (U.S. EPA 2018).

Toxic Air Contaminants

Toxic air contaminants (TACs) are a diverse group of air pollutants that may cause or contribute to an increase in deaths or serious illness, or that may pose a present or potential hazard to human health. TACs include both organic and inorganic chemical substances that may be emitted from a variety of common sources, including gasoline stations, motor vehicles, dry cleaners, industrial operations, painting operations, and research and teaching facilities. One of the main sources of TACs in California is diesel engine exhaust that contains solid material known as diesel particulate matter (DPM). More than 90 percent of DPM is less than one micron in diameter (about 1/70th the diameter of a human hair) and thus is a subset of PM_{2.5}. Because of their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lungs (CARB 2020b).

TACs are different than criteria pollutants because ambient air quality standards have not been established for TACs. TACs occurring at extremely low levels may still cause health effects and it is typically difficult to identify levels of exposure that do not produce adverse health effects. TAC impacts are described by carcinogenic risk and by chronic (i.e., long duration) and acute (i.e., severe but of short duration) adverse effects on human health.

2.3 Air Quality Regulation

The federal CAA governs air quality in the United States and is administered by the U.S. EPA at the federal level. Air quality in California is also governed by regulations under the California CAA, which is administered by CARB at the state level. At the regional and local levels, local air districts such as the SDAPCD typically administer the federal and California CAAs. As part of implementing the federal and California CAAs, the U.S. EPA and CARB have established ambient air quality standards for major pollutants at thresholds intended to protect public health. Table 1 summarizes the CAAQS and NAAQS. The CAAQS are more restrictive than the NAAQS for several pollutants, including the one-hour standard for carbon monoxide, the 24-hour standard for sulfur dioxide, and the 24-hour standard for PM₁₀.

Table 2 Ambient Air Quality Standards and Basin Attainment Status

Pollutant	Averaging Time	California Ambient Air Quality Standards		National Ambient Air Quality Standards	
		Concentration	Attainment Status	Concentration	Attainment Status
Ozone	8-Hour	0.070 ppm	N	0.070 ppm	N
	1-Hour	0.09 ppm	N	--	--
Carbon Monoxide	8-Hour	9.0 ppm	A	9 ppm	A
	1-Hour	20 ppm	A	35 ppm	A
Nitrogen Dioxide	1-Hour	0.18 ppm	A	0.100 ppm	A
	Annual Arithmetic Mean	0.030 ppm		0.053 ppm	A
Sulfur Dioxide	24-Hour	0.04 ppm	A	0.14 ppm	A
	1-Hour	0.25 ppm	A	0.075 ppm	A
	Annual Arithmetic Mean	--	--	0.030 ppm	A
Particulate Matter – Small (PM ₁₀)	Annual Arithmetic Mean	20 µg/m ³	N	--	--
	24-Hour	50 µg/m ³	N	150 µg/m ³	U
Particulate Matter - Fine (PM _{2.5})	Annual Arithmetic Mean	12 µg/m ³	N	12 µg/m ³	A
	24-Hour	--	--	35 µg/m ³	A
Sulfates	24-Hour	25 µg/m ³	A	--	--
Lead	Rolling 3-Month Average	--	--	0.15 µg/m ³	A
	30-Day Average	1.5 µg/m ³	A	--	--
Hydrogen Sulfide	1-Hour	0.03 ppm (42 µg/m ³)	U	--	
Vinyl Chloride (Chloroethene)	24-Hour	0.010 ppm (26 µg/m ³)	U	--	--
Visibility Reducing Particles	8-Hour (10:00 to 18:00 PST)	--	U	--	--

A = attainment; N = nonattainment; U = unclassified; ppm=parts per million; µg/m³=micrograms per cubic meter; PST = Pacific Standard Time

Source: CARB 2016 and SDAPCD 2020b

California is divided geographically into 15 air basins for managing the air resources of the state on a regional basis. Areas within each air basin are considered to share the same air masses and, therefore, are expected to have similar ambient air quality. Depending on whether the standards are met or exceeded, the local air basin is classified as in “attainment” or “non-attainment.” Once a nonattainment area has achieved the air quality standards for a particular pollutant, it may be redesignated to an attainment area for that pollutant. To be redesignated, the area must meet air quality standards and have a 10-year plan for continuing to meet and maintain air quality standards, as well as satisfy other requirements of the federal CAA. Areas that have been redesignated to

attainment are called maintenance areas. Some areas are unclassified, which means insufficient monitoring data are available; unclassified areas are considered to be in attainment. Table 1 presents the attainment status of the SDAB for each of the CAAQS and NAAQS. As shown therein, the SDAB is designated nonattainment for the NAAQS and CAAQS for ozone and the CAAQS for PM₁₀ and PM_{2.5}. The SDAB is designated unclassifiable or in attainment for all other federal and state standards.

Safer Affordable Fuel-Efficient Vehicles Rule

On September 27, 2019, the U.S. EPA and the National Highway Safety Administration published the Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program. The Part One Rule revokes California's authority to set its own greenhouse gas emissions standards and zero-emission vehicle mandates in California. On April 30, 2020, the U.S. EPA and the National Highway Safety Administration published Part Two of the SAFE Vehicles Rule, which revised corporate average fuel economy and carbon dioxide emissions standards for passenger cars and trucks of model years 2021-2026 such that the standards increase by approximately 1.5 percent each year through model year 2026 as compared to the approximately five percent annual increase required under the 2012 standards (National Highway Traffic Safety Administration 2020). To account for the effects of the SAFE Vehicles Rule, CARB released off-model adjustment factors to adjust criteria air pollutant emissions outputs from the EMFAC model.

Regional and Local Regulations

2020 Attainment Plan

In October 2020, the SDAPCD adopted the *2020 Plan for Attaining the National Ambient Air Quality Standards for Ozone in San Diego County* (2020 Attainment Plan) and the *2020 Reasonably Available Control Technology Demonstration for the National Ambient Air Quality Standards for Ozone in San Diego County* to demonstrate how the SDAPCD will reduce air pollutant emissions to achieve attainment of the NAAQS for ozone (SDAPCD 2020a and 2020c). At this time, the 2020 Attainment Plan has been submitted to CARB for review, and if approved, will be submitted to the U.S. EPA as a revision to the California State Implementation Plan (SIP) for attaining the NAAQS for ozone.

The 2020 Attainment Plan includes regionwide inventories of ozone precursors, a Reasonably Further Progress demonstration that shows emissions reductions during the years leading to attainment, an assessment of Reasonably Available Control Technology and Reasonable Available Control Measures, a vehicle miles travelled (VMT) offset demonstration, and contingency measures for use in the event that emissions controls do not achieve the needed reductions. The 2020 Attainment Plan determines (1) the SDAB can expect to reach attainment of the current NAAQS for ozone by 2032 with implementation of the proposed control measures and (2) the adoption of transportation control strategies and transportation control measures (TCMs) in San Diego County offset the projected growth in VMT and vehicle trips (SDAPCD 2020a).

2016 Regional Air Quality Strategy

Under state law, the SDAPCD is required to prepare a plan for air quality improvement for pollutants for which the SDAB is in nonattainment. The SDAPCD prepared the Regional Air Quality Strategy (RAQS) to address state requirements, pursuant to the California CAA of 1988 (California Health and Safety Code Section 39000 et seq.). The California CAA requires areas that are designated nonattainment of the CAAQS for ozone, carbon monoxide, sulfur dioxide, and/or nitrogen dioxide to

prepare and implement state plans to attain the standards by the earliest practicable date (California Health and Safety Code Section 40911(a)). With the exception of the ozone CAAQS, each of these standards has been attained in the SDAB (SDAPCD 2016). Included in the RAQS are the TCMs prepared by the San Diego Association of Governments (SANDAG) that control emissions from mobile sources (SDAPCD 2016). The RAQS and TCMs set forth the steps needed to accomplish attainment of CAAQS for ozone. The most recent update of the RAQS and corresponding TCMs was adopted in 2016.

SDAPCD Rules

The SDAPCD implements rules and regulations for emissions that may be generated by various uses and activities. The rules and regulations detail pollution-reduction measures that must be implemented during construction and operation of projects. Rules and regulations relevant to the project include the following:

Rules 20.1, 20.2, and 20.3 (New Source Review): These rules establish permitting standards for new stationary sources of air pollutant emissions and include requirements for the application of best available control technology.

Rule 50 (Visible Emissions): This rule prohibits the discharge of visible air pollutant emissions from various sources as determined by shade and opacity criteria based on the Ringelmann Chart.

Rule 51 (Nuisance): This rule prohibits the discharge of quantities of air contaminants or other material that causes injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health or safety of any such persons or the public or which cause or have a natural tendency to cause injury or damage to business or property.

Rule 55 (Fugitive Dust Control): This rule prohibits construction and demolition activities from discharging visible dust emissions into the atmosphere beyond the property line. This rule also requires fugitive dust control measures to minimize and remove vehicle track-out associated with construction and demolition operations.

Rule 67.0.1 (Architectural Coatings): This rule establishes VOC content limits for a variety of architectural coatings, including 50 grams per liter for flat coatings, 100 grams per liter for nonflat and traffic marking coatings, and 150 grams per liter for nonflat-high gloss coatings.

City of San Diego General Plan

The City of San Diego's General Plan, adopted in 2008, lists several air quality policies as part of its Land Use and Community Planning, Mobility, and Conservation Elements that supplement those of the SDAPCD. The following policies are applicable to the proposed project (City of San Diego 2008):

LU-I.14. As part of community plan updates or amendments that involve land use or intensity changes, evaluate public health risks associated with identified sources of hazardous substances and toxic air emissions (see also Conservation Element, Section F). Create adequate distance separation, based on documents such as those recommended by the CARB and site specific analysis, between sensitive receptor land use designations and potential identified sources of hazardous substances such as freeways, industrial operations or areas such as warehouses, train depots, port facilities, etc.

ME-E.7. Consider transportation demand management programs with achievable trip reduction goals as partial mitigation for development project traffic and air quality impacts.

ME-G.5. Implement parking strategies that are designed to help reduce the number and length of automobile trips. Reduced automobile trips would lessen traffic and air quality impacts, including greenhouse gas emissions (see also Conservation Element, Section A). Potential strategies include, but are not limited to, those described on Table ME-3.²

CE-F.4. Encourage and provide incentives for the use of alternatives to single-occupancy vehicle use, including using public transit, carpooling, vanpooling, teleworking, bicycling, and walking. Continue to implement programs to provide City employees with incentives for the use of alternatives to single-occupancy vehicles.

2.4 Current Air Quality

The SDAPCD operates a network of air quality monitoring stations throughout the SDAB. The purpose of the monitoring stations is to measure ambient concentrations of pollutants and determine whether ambient air quality meets the NAAQS and CAAQS. Table 2 summarizes the representative annual air quality data for all criteria pollutants for the local airshed from the nearest monitoring stations with available data for 2017 through 2019. As shown therein, the one-hour ozone CAAQS was exceeded in 2017 and 2018 and the eight-hour ozone NAAQS and CAAQS were exceeded each year from 2017 to 2019. No other NAAQS or CAAQS were exceeded during this time period.

² Table ME-3 is included in full in the City's General Plan Mobility Element and is not reproduced herein.

Table 3 Annual Ambient Air Quality Data

Pollutant	2017	2018	2019
Ozone (ppm), Worst 1-Hour ¹	0.097	0.102	0.083
Number of days above CAAQS (>0.09 ppm) ²	2	1	0
Number of days above NAAQS (>0.12 ppm)	0	0	0
Ozone (ppm), Worst 8-Hour Average ¹	0.083	0.077	0.075
Number of days above CAAQS (>0.070 ppm)	6	5	1
Number of days above NAAQS (>0.070 ppm)	6	5	1
Carbon Monoxide (ppm), Highest 8-Hour Average ²	1.5	1.4	2.5
Number of days above CAAQS or NAAQS (>9.0 ppm)	0	0	0
Nitrogen Dioxide (ppm), Worst 1-Hour ¹	0.054	0.045	0.046
Number of days above CAAQS (>0.180 ppm)	0	0	0
Number of days above NAAQS (>0.100 ppm)	0	0	0
Sulfur Dioxide (ppm), Worst Hour ³	0.0011	0.0035	0.0008
Number of days above CAAQS (>0.25 ppm)	0	0	0
Number of days above NAAQS (>0.075 ppm)	0	0	0
Particulate Matter <10 microns ($\mu\text{g}/\text{m}^3$), Worst 24 Hours ⁴	46	38	38
Number of days above CAAQS (>50 $\mu\text{g}/\text{m}^3$)	0	0	0
Number of days above NAAQS (>150 $\mu\text{g}/\text{m}^3$)	0	0	0
Particulate Matter <2.5 microns ($\mu\text{g}/\text{m}^3$), Worst 24 Hours ¹	27.5	32.2	16.2
Number of days above NAAQS (>35 $\mu\text{g}/\text{m}^3$)	0	0	0
Lead ($\mu\text{g}/\text{m}^3$), 3-Month Average ³	0.01	0.016	0.009
Number of days above NAAQS (>0.15 $\mu\text{g}/\text{m}^3$)	0	0	0

ppm = parts per million; $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter; CAAQS = California Ambient Air Quality Standard; NAAQS = National Ambient Air Quality Standard

¹ Data from CARB at the nearest monitoring station with available data at 6125A Kearny Villa Road.

² Data from the U.S. EPA at the nearest monitoring station with available data at 11403 Rancho Carmel Drive.

³ Data from the U.S. EPA at the nearest monitoring station with available data at 533 First Street in El Cajon.

⁴ Data for 2017 and 2018 from CARB at the nearest monitoring station with available data at 6125A Kearny Villa Road. Data for 2019 from the U.S. EPA at the nearest monitoring station with available data at 533 First Street in El Cajon.

Source: CARB 2020c and U.S. EPA 2020

2.5 Sensitive Receptors

Ambient air quality standards have been established to represent the levels of air quality considered sufficient, with a margin of safety, to protect public health and welfare. They are designed to protect that segment of the public most susceptible to respiratory distress, such as children under 14; the elderly over 65; people engaged in strenuous work or exercise; and people with cardiovascular and chronic respiratory diseases. Therefore, most sensitive receptor locations are schools, hospitals, and residences. The City of San Diego identifies sensitive receptors as medical patients at adult/senior day care centers, senior citizen centers/facilities/retirement homes, hospitals/convalescent homes/long-term health care facilities, acute care/walk-in ambulatory care

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clinics, and rehabilitation centers as well as elderly persons, athletes, students, and children at public parks/playgrounds, long-term care/assisted living facilities, churches, schools, child care centers/homes, and athletic fields (City of San Diego 2016).

The sensitive receptors nearest to the project site are the Scripps Memorial Hospital La Jolla complex located approximately 650 feet to the south, the tennis and volleyball courts at Nissan Design America approximately 0.25 mile to the south, and the Preuss School (a middle and high school) located approximately 0.25 mile to the south. No other sensitive receptors are located within 0.25 mile of the project site.

3 Impact Analysis

3.1 Methodology

The project's construction and operational emissions were estimated using the California Emissions Estimator Model (CalEEMod), version 2016.3.2. CalEEMod uses project-specific information, including the project's land uses, square footages for different uses, and location, to estimate a project's construction and operational emissions.

Construction emissions modeled include emissions generated by construction equipment used on-site and emissions generated by vehicle trips associated with construction, such as worker and vendor trips. The construction schedule was provided by the project applicant, and the construction equipment list was based on standard assumptions provided by CalEEMod. This analysis assumes that all construction equipment would be diesel-powered. Approximately 160,690 cubic yards of soil would be exported to the Miramar Greenery facility at the Miramar Landfill approximately 6.6 miles to the southeast, and approximately 315,276 square feet of buildings would be demolished. It was assumed that project construction would comply with all applicable regulatory standards, including SDAPCD Rule 55 (Fugitive Dust Control) and Rule 67.0.1 (Architectural Coatings).

Operational emissions modeled include mobile source emissions (i.e., vehicle emissions), energy emissions, and area source emissions. Emissions were modeled for both the proposed project and existing uses to be demolished, and emissions associated with existing uses to be demolished were subtracted from the project's emissions to estimate net new operational emissions. Mobile source emissions consist of emissions generated by vehicle trips to and from the project site. The trip generation rates for the proposed project and existing uses to be demolished were provided by Urban Systems Associates, Inc. (2020) in the project's Local Mobility Analysis/Vehicle Miles Traveled analysis. The "Increase Density" option in CalEEMod was used to account for the proposed increase of approximately 8.3 employees per acre on the project site (706 net new employees divided by 84.79 acres), and the "Increase Destination Accessibility" option was used to account for the project site's location in a Central Business District (CARB 2020d). Both of these project design features would reduce project-generated VMT and associated mobile source emissions. Emissions attributed to energy use include emissions from natural gas consumption for space and water heating.³ Area source emissions are generated by landscape maintenance equipment, consumer products, and architectural coatings.

³ CalEEMod only calculates direct emissions of criteria pollutants from energy sources that combust on site, such as natural gas used in a building (California Air Pollution Control Officers Association 2017). CalEEMod does not calculate or attribute emissions of criteria pollutants from electricity generation to individual projects because fossil fuel power plants are existing stationary sources permitted by air districts and/or the U.S. EPA, and they are subject to local, state and federal control measures. Criteria pollutant emissions from power plants are associated with the power plants themselves, and not individual projects or electricity users. Therefore, project design features that would reduce electricity usage, such as water efficiency and electricity-related energy efficiency measures, were not incorporated into the air pollutant emissions modeling.

3.2 Significance Thresholds

The City of San Diego has adopted guidelines for determining the significance of a project's air quality impacts based on Appendix G of the CEQA Guidelines. A project would have a significant impact if it would:

1. Conflict with or obstruct implementation of the San Diego RAQS or applicable portions of the SIP;
2. Violate any air quality standard or contribute substantially to an existing or projected air quality violation;
3. Result in a cumulatively considerable net increase of any criteria pollutant for which the SDAB is nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors);
4. Expose sensitive receptors (i.e., day care centers, schools, retirement homes, and hospitals or medical patients in residential homes which could be impacted by air pollutants) to substantial pollutant concentrations;
5. Create objectionable odors affecting a substantial number of people; or
6. Release substantial quantities of air contaminants beyond the boundaries of the premises upon which the stationary source emitting the contaminants is located.

To determine whether a project would result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation under Threshold 2 or result in a cumulatively considerable net increase of any criteria pollutant for which the SDAB is nonattainment (i.e., ozone precursors, PM₁₀, and PM_{2.5}) under Threshold 3, project emissions may be evaluated based on the quantitative emission thresholds established by the SDAPCD. The SDAPCD does not provide thresholds for determining the significance of air quality impacts under CEQA. However, the SDAPCD does provide Air Quality Impact Analysis (AQIA) trigger levels for new, modified, or relocated stationary sources (SDAPCD Rules 20.1, 20.2, and 20.3) and health risk thresholds for new stationary sources of TAC emissions (SDAPCD Rule 1210). The SDAPCD does not consider AQIA trigger levels to represent significance thresholds because exceedances do not necessarily result in air quality impacts; rather, AQIA trigger levels were developed to identify sources with emissions that are too small to cause or substantially contribute to violations of NAAQS or CAAQS and therefore do not warrant further air quality analysis or permitting. Where AQIA trigger levels would be exceeded, SDAPCD Rule 20.3 states that the new, modified, or relocated emission source would require an AQIA to determine whether if it would:

- a) Cause a violation of CAAQS or NAAQS anywhere that does not already exceed such standard, or
- b) Cause additional violations of a NAAQS anywhere the standard is already being exceeded, or
- c) Cause additional violations of a CAAQS anywhere the standard is already being exceeded, except as provided in subsection (d)(2)(v) of Rule 20.3, or
- d) Prevent or interfere with the attainment or maintenance of any CAAQS or NAAQS.

These AQIA trigger levels do not generally apply to construction, mobile sources, or general land development projects; however, for the purposes of this analysis, these levels are used in this report as thresholds of significance to evaluate the net increase in emissions that would occur upon a project approval. SDAPCD Rules 20.2 and 20.3 do not specify thresholds for VOC. However, Rule 20.1 equates VOC and NO_x emissions in the definitions of major modifications and major stationary

sources; therefore, the VOC threshold is set equal to the NO_x threshold. The screening-level thresholds based on SDAPCD Rules 20.1, 20.2, and 20.3 utilized in this analysis to evaluate the project's construction and operational emissions are presented in Table 3.

Table 4 Screening-level Thresholds for Air Quality Impact Analyses

Pollutant	Total Emissions (pounds per day)
Small Particulate Matter (PM ₁₀)	100
Fine Particulate Matter (PM _{2.5})	67
Oxides of Nitrogen (NO _x)	250
Oxides of Sulfur (SO _x)	250
Carbon Monoxide (CO)	550
Volatile Organic Compounds (VOCs) ¹	250
Toxic Air Contaminant Emissions	
Excess Cancer Risk	1 in 1 million
	10 in 1 million with T-BACT
Non-Cancer Hazard Index	1.0

¹ Equal to the NO_x threshold because SDAPCD Rule 20.1 equates VOC and NO_x emissions in the definitions of major modifications and major stationary sources.

T-BACT = Toxics-Best Available Control Technology

Source: SDAPCD Rules 20.1, 20.2, 20.3, and 1210

In addition, the project's potential to generate objectionable odors affecting a substantial number of people is evaluated in light of the State of California Health and Safety Code Sections 41700 and 41705, and SDAPCD Rule 51, commonly referred to as public nuisance law, which prohibit emissions from any source whatsoever in such quantities of air contaminants or other material, which cause injury, detriment, nuisance, or annoyance to the public health or damage to property.

3.3 Impact Analysis

Threshold 1: Would the project conflict with or obstruct implementation of the San Diego RAQS or applicable portions of the SIP?

Impact AQ-1 THE PROJECT WOULD NOT CONFLICT WITH OR OBSTRUCT IMPLEMENTATION OF THE SAN DIEGO RAQS OR APPLICABLE PORTIONS OF THE SIP (I.E., THE 2020 ATTAINMENT PLAN). NO IMPACT WOULD OCCUR.

Pursuant to the federal CAA, the SDAPCD is required to reduce emissions of criteria pollutants for which the SDAB is in nonattainment. Strategies to achieve these emissions reductions are developed in the RAQS and 2020 Attainment Plan (the SDAPCD's portion of the State's SIP), which are prepared by the SDAPCD for the region. Consistency with the RAQS and the 2020 Attainment Plan is determined by analyzing a project's consistency with the assumptions in the RAQS and the 2020 Attainment Plan. Thus, the emphasis of this discussion is to evaluate if the project's land uses would be consistent with or less intensive than the emission forecasts for the project site contained in the RAQS and 2020 Attainment Plan. The growth forecasts used in the RAQS and the 2020 Attainment Plan are developed by SANDAG. SANDAG forecasts are based on local general plans and other related documents that are used to develop population, employment, and traffic projections. The

emissions inventory forecasts in the RAQS are based on the growth forecasts from the SANDAG *San Diego Forward: The Regional Plan* (2015), while the emissions inventory forecasts in the 2020 Attainment Plan are based on the demographic forecasts from the more recent SANDAG *San Diego Forward: The 2019 Federal Regional Transportation Plan* (2019). Table 4 presents the demographic growth forecasts for the city of San Diego that underlie the emissions forecasts for the RAQS and the 2020 Attainment Plan.

Table 5 Population and Employment Forecasts for San Diego for Year 2028

Year	SANDAG 2015 Regional Plan (2016 RAQS)		SANDAG 2019 Federal Regional Transportation Plan (2020 Attainment Plan)	
	Population	Employment	Population	Employment
Project Buildout Year (2028)	1,658,023 ¹	911,241 ²	1,569,644 ³	981,074 ⁴

SANDAG = San Diego Association of Governments; RAQS = Regional Air Quality Strategy

¹ Based on a linear interpolation of the population forecasts for the city of San Diego of 1,542,324 residents for 2020 and 1,759,260 residents for 2035 (SANDAG 2011).

² Based on a linear interpolation of the employment forecasts for the city of San Diego of 875,883 jobs for 2020 (830,107 civilian jobs and 45,776 military jobs) and 942,180 jobs for 2035 (896,404 civilian jobs for 2035 plus 45,776 military jobs; SANDAG 2013 and 2015).

³ Based on a linear interpolation of the forecast residential population for the city of San Diego of 1,533,992 residents for 2025 and 1,652,833 residents for 2035 (SANDAG 2019).

⁴ Based on a linear interpolation of the forecast employment estimate for the city of San Diego of 957,496 jobs for 2025 and 1,036,088 jobs for 2035 (SANDAG 2019).

According to the California State Department of Finance (2020) and SANDAG (2019), the existing population of San Diego is 1,430,489 residents, and the existing employment inventory is 915,295 jobs. The proposed project would result in a net increase of approximately 706 employment opportunities on-site, which could indirectly induce population in the city. Conservatively assuming that all project employees relocate to the city, the project would result in approximately 706 new residents. Therefore, the project would increase the population of San Diego to 1,431,195 residents and the employment inventory to 916,001 jobs. The City's existing population plus the project's indirect population growth would not exceed the population forecasts for year 2028 utilized in the RAQS and the 2020 Attainment Plan. In addition, the City's existing employment inventory plus the project's employment opportunities would not exceed the employment forecast for year 2028 utilized in the 2020 Attainment Plan. However, the City's existing employment inventory currently exceeds the employment forecast utilized in the RAQS for year 2028 by approximately 4,054 jobs (0.4 percent), and the project would increase this exceedance by approximately 0.1 percent. Furthermore, as detailed below under Thresholds 2 and 3, the project would not result in a significant air quality impact with regards to construction- and operational-related emissions of ozone precursors or criteria air pollutants. In addition, the project would comply with all existing and new rules and regulations as they are implemented by the SDAPCD, CARB, and/or the U.S. EPA related to emissions generated during construction. Therefore, the project would not conflict with or obstruct implementation of the San Diego RAQS or applicable portions of the SIP (i.e., the 2020 Attainment Plan), and no impact would occur.

Threshold 2	Would the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?
Threshold 3	Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the SDAB is nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

Impact AQ-2 THE PROJECT WOULD NOT VIOLATE ANY AIR QUALITY STANDARD OR CONTRIBUTE SUBSTANTIALLY TO AN EXISTING OR PROJECTED AIR QUALITY VIOLATION OR RESULT IN A CUMULATIVELY CONSIDERABLE NET INCREASE OF ANY CRITERIA POLLUTANT FOR WHICH THE PROJECT REGION IS IN NON-ATTAINMENT UNDER AN APPLICABLE FEDERAL OR STATE AMBIENT AIR QUALITY STANDARD. IMPACTS WOULD BE LESS THAN SIGNIFICANT.

As discussed under Section 2.3, *Air Quality Regulation*, criteria pollutants include ozone, carbon monoxide, nitrogen dioxide, PM₁₀, PM_{2.5}, sulfur dioxide, and lead. The SDAB is designated nonattainment for the NAAQS and CAAQS for ozone and the CAAQS for PM₁₀ and PM_{2.5}. The SDAB is designated unclassifiable or in attainment for all other federal and state standards.

Construction Emissions

Table 5 summarizes the estimated maximum daily emissions of pollutants that would be generated by construction of the proposed project. As shown in Table 5, construction emissions of VOC, NO_x, carbon monoxide, sulfur dioxide, PM₁₀, and PM_{2.5} would not exceed the applicable thresholds. Therefore, project construction emissions would not violate any air quality standard or contribute substantially to an existing or projected air quality violation or result in a cumulatively considerable net increase of a criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard. Impacts would be less than significant.

Table 6 Project Construction Emissions

	Maximum Daily Emissions (pounds per day)					
	VOC	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Construction Year 2021	13.1	151.0	97.2	0.3	33.1	14.2
Construction Year 2022	57.9	70.2	62.0	0.2	12.6	4.5
Construction Year 2023	14.2	89.6	72.0	0.3	29.3	12.1
Construction Year 2024	13.5	74.4	72.9	0.2	18.2	7.6
Construction Year 2025	14.9	78.2	71.4	0.2	27.9	11.3
Construction Year 2026	16.5	40.4	50.1	0.2	8.2	2.9
Construction Year 2027	16.4	40.1	49.3	0.2	8.2	2.9
Maximum Emissions	57.9	151.0	97.2	0.3	33.1	14.2
Thresholds	250	250	550	250	100	67
Threshold Exceeded?	No	No	No	No	No	No

VOC = volatile organic compounds; NO_x = nitrogen oxides; CO = carbon monoxide; SO₂ = sulfur dioxide; PM₁₀ = particulate matter measuring 10 microns or less in diameter; PM_{2.5} = particulate matter measuring 2.5 microns or less in diameter

Notes: All emissions modeling was completed using CalEEMod. See Appendix A for modeling results. Some numbers may not add up due to rounding. Emission data is pulled from CalEEMod's "mitigated" results which is a term of art for the modeling output and is not equivalent to mitigation measures that may apply to the CEQA impact analysis. The CalEEMod "mitigated" results include compliance with regulations such as SDAPCD Rule 67.0.1 (Architectural Coatings). Emissions presented are the highest of the winter and summer modeled emissions.

Operational Emissions

Table 6 summarizes the estimated net new maximum daily emissions of pollutants associated with operation of the proposed project, accounting for emissions generated by existing uses to be demolished. The largest source of net new project-related operational emissions would be vehicle trips to and from the site. As shown in Table 6, net new operational emissions would not exceed applicable thresholds for criteria pollutants; therefore, project operation would not violate any air quality standard or contribute substantially to an existing or projected air quality violation or result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard. Impacts would be less than significant.

Table 7 Estimated Operational Emissions

Emission Source	Maximum Daily Emissions pounds per day)					
	VOC	NO _x	CO	SO ₂	PM ₁₀	PM _{2.5}
Area	15.4	< 0.1	0.3	< 0.1	< 0.1	< 0.1
Energy	0.2	2.0	1.7	< 0.1	0.2	0.2
Mobile	5.4	20.9	55.4	0.2	22.2	6.0
Project Emissions	21.0	22.9	57.4	0.2	22.4	6.2
Existing Emissions	11.1	13.2	35.8	0.1	10.9	3.0
Net New Emissions (Project – Existing Emissions)	9.9	9.7	21.6	0.1	11.5	3.2
Thresholds	250	250	550	250	100	67
Threshold Exceeded?	No	No	No	No	No	No

VOC = volatile organic compounds; NO_x = nitrogen oxides; CO = carbon monoxide; SO₂ = sulfur dioxide; PM₁₀ = particulate matter measuring 10 microns or less in diameter; PM_{2.5} = particulate matter measuring 2.5 microns or less in diameter

Notes: All emissions modeling was completed using CalEEMod. See Appendix A for modeling results. Some numbers may not add up due to rounding. Emission data is pulled from CalEEMod's "mitigated" results which is a term of art for the modeling output and is not equivalent to mitigation measures that may apply to the CEQA impact analysis. The CalEEMod "mitigated" results include project design features such as increased employment density and proximity to a Central Business District. Emissions presented are the highest of the winter and summer modeled emissions.

Threshold 4 Would the project expose sensitive receptors (i.e., day care centers, schools, retirement homes, and hospitals or medical patients in residential homes which could be impacted by air pollutants) to substantial pollutant concentrations?

Impact AQ-3 THE PROJECT WOULD NOT EXPOSE SENSITIVE RECEPTORS TO SUBSTANTIAL POLLUTANT CONCENTRATIONS RELATED TO CARBON MONOXIDE HOTSPOTS OR TACs. IMPACTS WOULD BE LESS THAN SIGNIFICANT.

Carbon Monoxide Hotspots

A carbon monoxide hotspot is a localized concentration of carbon monoxide that is above a carbon monoxide ambient air quality standard. Localized carbon monoxide hotspots can occur at intersections with heavy peak hour traffic. Specifically, hotspots can be created at intersections where traffic levels are sufficiently high such that the local carbon monoxide concentration exceeds the federal one-hour standard of 35.0 ppm or the federal and state eight-hour standard of 9.0 ppm (CARB 2016).

The entire SDAB is in conformance with the CAAQS and NAAQS for carbon monoxide, and most air quality monitoring stations no longer report carbon monoxide levels. As shown in Table 2 in Section 2.4, *Current Air Quality*, the maximum 8-hour average carbon monoxide value at the nearest monitoring station was 2.5 ppm in 2019, which is well below the state and federal 8-hour carbon monoxide standard of 9.0 ppm (CARB 2020c). As shown in Table 5, maximum daily carbon monoxide emissions during project construction would be approximately 100 pounds, which would not exceed

the threshold of 550 pounds per day. Likewise, as shown in Table 6, operational emissions from area, energy, and mobile sources combined would generate maximum net new daily carbon monoxide emissions of approximately 37 pounds, which is below the threshold of 550 pounds. These thresholds are designed to be protective of public health. Based on the low background level of carbon monoxide in the project area, ever-improving vehicle emissions standards for new cars in accordance with state and federal regulations, and the project's low level of operational carbon monoxide emissions, the project would not create new hotspots or contribute substantially to existing hotspots. Therefore, the project would not expose sensitive receptors to substantial carbon monoxide concentrations.

Toxic Air Contaminants

Construction

The greatest potential for TAC emissions during construction would be from heavy equipment operations that generate DPM emissions. Generation of DPM from construction projects typically occurs in a single area for a short period. Construction of the proposed project would occur over approximately 73 months. The dose to which the receptors are exposed is the primary factor used to determine health risk. Dose is a function of the concentration of a substance or substances in the environment and the extent of exposure that person has with the substance. Dose is positively correlated with time, meaning that a longer exposure period would result in a higher exposure level for the Maximally Exposed Individual. The risks estimated for a Maximally Exposed Individual are higher if a fixed exposure occurs over a longer period of time. According to the California Office of Environmental Health Hazard Assessment, health risk assessments, which determine the exposure of sensitive receptors to toxic emissions, should be based on a 70-year exposure period; however, such assessments should be limited to the period/duration of activities associated with the project. Thus, the duration of proposed construction activities (i.e., 73 months) is approximately nine percent of the total exposure period used for health risk calculation. Current models and methodologies for conducting health risk assessments are associated with longer-term exposure periods of 9, 30, and 70 years, which do not correlate well with the temporary and highly variable nature of construction activities, resulting in difficulties in producing accurate estimates of health risk (Bay Area Air Quality Management District 2017). Additionally, neither SDAPCD nor the City of San Diego requires preparation of a health risk assessment for short-term construction emissions. Therefore, this analysis qualitatively discusses potential health risks associated with construction-related emissions of TACs, focusing on construction activities most likely to generate substantial TAC emissions and the duration of such activities relative to established, longer-term health risk exposure periods.

Maximum PM₁₀ and PM_{2.5} emissions would occur during demolition, site preparation, and grading activities. These activities would last for approximately 16 months. PM emissions would decrease for the remaining construction period because construction activities such as building construction, paving, and architectural coating would require less intensive construction equipment. While the maximum DPM emissions associated with demolition, site preparation, and grading activities would only occur for a portion of the overall construction period, these activities represent the maximum exposure condition for the total construction period. The duration of demolition, site preparation, and grading activities would represent approximately two percent of the total exposure period for a 70-year health risk calculation. As such, DPM generated by project construction would not create conditions where the probability is greater than one in one million of contracting cancer for the Maximally Exposed Individual or generate ground-level concentrations of non-carcinogenic TACs

that exceed a Non-Cancer Hazard Index greater than 1.0 for the Maximally Exposed Individual. Therefore, project construction activities would not expose sensitive receptors to substantial TAC concentrations, and impacts would be less than significant.

Operation

CARB's *Air Quality and Land Use Handbook: A Community Health Perspective* (2005) provides recommendations regarding the siting of new sensitive land uses near potential sources of TAC emissions (e.g., freeways, distribution centers, rail yards, ports, refineries, chrome plating facilities, dry cleaners, and gasoline dispensing facilities). The CARB guidelines recommend siting distances both for the development of sensitive land uses in proximity to TAC sources and for the addition of new TAC sources in proximity to existing sensitive land uses. The primary sources of potential air toxics associated with project operations include DPM from delivery trucks. However, this activity, and the land uses associated with the project, are not land uses that generate substantial TAC emissions based on review of the air toxic sources listed in CARB's guidelines. This activity would also be similar in type and intensity to those associated with existing scientific research uses on the project site. Although future tenants could potentially use minor quantities of hazardous chemicals for scientific research purposes, future tenants would be required to comply with all applicable regulations related to the handling, storage, and disposal of hazardous materials, and it is not expected that use of these chemicals would result in substantial air toxic emissions. Because the proposed project would not include substantial TAC sources and is consistent with CARB guidelines, it would not result in the exposure of off-site sensitive receptors to significant amounts of carcinogenic or toxic air contaminants. Therefore, project operation would not expose sensitive receptors to substantial TAC concentrations, and impacts would be less than significant.

Threshold 5	Would the project create objectionable odors affecting a substantial number of people?
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Impact AQ-4 THE PROJECT WOULD NOT GENERATE ODORS ADVERSELY AFFECTING A SUBSTANTIAL NUMBER OF PEOPLE DURING CONSTRUCTION OR OPERATION. IMPACTS WOULD BE LESS THAN SIGNIFICANT.

As discussed in Section 3.2, *Significance Thresholds*, the State of California Health and Safety Code Sections 41700 and 41705 and SDAPCD Rule 51 prohibit emissions from any source whatsoever in such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to the public health or damage to property. An unreasonable odor discernible at the property line of the project site would be considered a significant odor impact.

The project would generate oil and diesel fuel odors during construction from equipment use as well as odors related to asphalt paving. The odors would be limited to the construction period and would be intermittent and temporary. Furthermore, these odors would dissipate rapidly with distance from in-use construction equipment. With respect to operation, CARB's *Air Quality and Land Use Handbook: A Community Health Perspective* (2005) provides recommendations regarding the siting of new sensitive land uses near potential sources of odors (e.g., sewage treatment plants, landfills, recycling facilities, biomass operations, autobody shops, fiberglass manufacturing, and livestock operations). Scientific research and development uses are not identified on this list. Therefore, the proposed project would not generate objectionable odors affecting a substantial number of people, and impacts would be less than significant.

Threshold 6 Would the project release substantial quantities of air contaminants beyond the boundaries of the premises upon which the stationary source emitting the contaminants is located?

Impact AQ-5 THE PROJECT WOULD NOT RELEASE SUBSTANTIAL QUANTITIES OF AIR CONTAMINANTS BEYOND THE BOUNDARIES OF THE PREMISES UPON WHICH THE STATIONARY SOURCE EMITTING THE CONTAMINANTS IS LOCATED. NO IMPACT WOULD OCCUR.

The project does not propose any stationary sources of air pollutant emissions. No impact would occur.

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Appendix A

Air Quality Modeling

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

Campus Point Master Plan - Proposed Project
San Diego County APCD Air District, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	621.03	1000sqft	23.28	621,032.00	0
Enclosed Parking Structure	2,055.00	Space	1.70	822,000.00	0
High Turnover (Sit Down Restaurant)	2.50	1000sqft	0.06	2,500.00	0
Strip Mall	2.50	1000sqft	0.06	2,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2028
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Split accessory space evenly between restaurant and retail. Parking lot acreage measured on site plan footprint for P2 - all other parking subterranean. Total acreage based on area of disturbance measured from site plan.

Construction Phase - Provided by client

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

Off-road Equipment -
Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - All soil export hauled to Miramar Greenery facility.

Demolition - Distributed demolition sf equally to each phase.

Grading - Soil export distributed evenly to each phase

Architectural Coating - SDAPCD Rule 67.0.1. Adjusted SF for phasing.

Vehicle Trips - Based on trip gen memo from Urban Systems Associates

Area Coating - SDAPCD Rule 67.0.1

Energy Use -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Increased employment density and location of project site in Central Business District

Energy Mitigation -

Water Mitigation -

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	313,016.00	68,250.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	313,016.00	89,591.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	313,016.00	51,780.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	313,016.00	105,896.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	939,048.00	204,750.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	939,048.00	268,772.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	939,048.00	155,339.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	939,048.00	317,688.00
tblArchitecturalCoating	ConstArea_Parking	49,320.00	9,864.00
tblArchitecturalCoating	ConstArea_Parking	49,320.00	19,728.00
tblArchitecturalCoating	ConstArea_Parking	49,320.00	9,864.00
tblArchitecturalCoating	ConstArea_Parking	49,320.00	9,864.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

tblAreaCoating	Area_EF_Parking	250	100
tblConstructionPhase	NumDays	35.00	174.00
tblConstructionPhase	NumDays	35.00	175.00
tblConstructionPhase	NumDays	35.00	175.00
tblConstructionPhase	NumDays	440.00	1,457.00
tblConstructionPhase	NumDays	30.00	22.00
tblConstructionPhase	NumDays	30.00	23.00
tblConstructionPhase	NumDays	30.00	23.00
tblConstructionPhase	NumDays	30.00	22.00
tblConstructionPhase	NumDays	30.00	21.00
tblConstructionPhase	NumDays	45.00	21.00
tblConstructionPhase	NumDays	45.00	42.00
tblConstructionPhase	NumDays	45.00	21.00
tblConstructionPhase	NumDays	45.00	43.00
tblConstructionPhase	NumDays	45.00	22.00
tblGrading	AcresOfGrading	52.50	112.50
tblGrading	AcresOfGrading	105.00	112.50
tblGrading	AcresOfGrading	52.50	112.50
tblGrading	AcresOfGrading	107.50	112.50
tblGrading	AcresOfGrading	55.00	112.50
tblGrading	MaterialExported	0.00	32,138.00
tblGrading	MaterialExported	0.00	32,138.00
tblGrading	MaterialExported	0.00	32,138.00
tblGrading	MaterialExported	0.00	32,138.00
tblLandUse	LandUseSquareFeet	621,030.00	621,032.00
tblLandUse	LotAcreage	14.26	23.28

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

tblLandUse	LotAcreage	18.49	1.70
tblTripsAndVMT	HaulingTripLength	20.00	6.60
tblTripsAndVMT	HaulingTripLength	20.00	6.60
tblTripsAndVMT	HaulingTripLength	20.00	6.60
tblTripsAndVMT	HaulingTripLength	20.00	6.60
tblTripsAndVMT	HaulingTripLength	20.00	6.60
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	8.11	8.00
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	lb/day											lb/day					
2021	13.0728	150.7832	97.2015	0.3016	22.1675	4.6472	26.8147	6.4392	4.3130	10.7522							
2022	57.9111	70.2441	61.6584	0.1903	10.3396	2.2253	12.5649	2.4404	2.0847	4.5251							
2023	14.2405	89.3858	72.0026	0.2565	20.1735	2.2779	22.4514	6.1921	2.1177	8.3099							
2024	13.5205	74.2912	72.4657	0.2153	15.7770	2.1650	17.7891	5.4800	2.0191	7.3450							
2025	14.8539	77.9283	71.0222	0.2406	19.2780	1.9110	21.0090	5.9546	1.7815	7.5596							
2026	16.4979	40.4265	49.7021	0.1539	7.1083	1.0520	8.1603	1.9217	0.9836	2.9054							
2027	16.4006	40.1155	48.9619	0.1521	7.1083	1.0497	8.1579	1.9217	0.9814	2.9032							
Maximum	57.9111	150.7832	97.2015	0.3016	22.1675	4.6472	26.8147	6.4392	4.3130	10.7522							

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	13.0728	150.7832	97.2015	0.3016	22.1675	4.6472	26.8147	6.4392	4.3130	10.7522						
2022	57.9111	70.2441	61.6584	0.1903	10.3396	2.2253	12.5649	2.4404	2.0847	4.5251						
2023	14.2405	89.3858	72.0026	0.2565	20.1735	2.2779	22.4514	6.1921	2.1177	8.3099						
2024	13.5205	74.2912	72.4657	0.2153	15.7770	2.1650	17.7891	5.4800	2.0191	7.3450						
2025	14.8539	77.9283	71.0222	0.2406	19.2780	1.9110	21.0090	5.9546	1.7815	7.5596						
2026	16.4979	40.4265	49.7021	0.1539	7.1083	1.0520	8.1603	1.9217	0.9836	2.9054						
2027	16.4006	40.1155	48.9619	0.1521	7.1083	1.0497	8.1579	1.9217	0.9814	2.9032						
Maximum	57.9111	150.7832	97.2015	0.3016	22.1675	4.6472	26.8147	6.4392	4.3130	10.7522						

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Area	15.3660	2.4700e-003	0.2730	2.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004							
Energy	0.2252	2.0469	1.7194	0.0123		0.1556	0.1556		0.1556	0.1556							
Mobile	5.5348	22.6617	62.8384	0.2403	26.3895	0.1755	26.5649	7.0504	0.1630	7.2134							
Total	21.1259	24.7111	64.8309	0.2526	26.3895	0.3320	26.7215	7.0504	0.3196	7.3700							

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Area	15.3660	2.4700e-003	0.2730	2.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004							
Energy	0.2252	2.0469	1.7194	0.0123		0.1556	0.1556		0.1556	0.1556							
Mobile	5.1661	20.9461	55.0638	0.2032	22.0219	0.1505	22.1723	5.8835	0.1398	6.0233							
Total	20.7572	22.9954	57.0563	0.2155	22.0219	0.3070	22.3289	5.8835	0.2963	6.1798							

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	1.75	6.94	11.99	14.70	16.55	7.53	16.44	16.55	7.28	16.15	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - CP5	Demolition	4/1/2021	4/30/2021	5	22	
2	Grading - CP5	Grading	5/3/2021	6/30/2021	5	43	
3	Building Construction	Building Construction	7/1/2021	1/29/2027	5	1457	
4	Demolition - P2	Demolition	9/1/2021	9/30/2021	5	22	
5	Grading - P2	Grading	9/1/2021	9/30/2021	5	22	
6	Architectural Coating - CP5, P2	Architectural Coating	2/1/2022	10/31/2022	5	35	
7	Demolition - CP3	Demolition	7/1/2022	7/29/2022	5	21	
8	Paving - CP5, P2	Paving	9/13/2022	10/31/2022	5	35	
9	Architectural Coating - CP3	Architectural Coating	6/1/2023	1/31/2024	5	175	
10	Grading - CP3	Grading	7/1/2023	7/31/2023	5	21	
11	Paving - CP3	Paving	12/14/2023	1/31/2024	5	35	
12	Demolition - CP6	Demolition	1/1/2024	1/31/2024	5	23	
13	Grading - CP6	Grading	2/1/2024	3/31/2024	5	42	
14	Architectural Coating - CP6	Architectural Coating	12/1/2024	7/31/2025	5	174	
15	Paving - CP6	Paving	6/13/2025	7/31/2025	5	35	
16	Demolition - CP7	Demolition	7/1/2025	7/31/2025	5	23	
17	Grading - CP7	Grading	8/1/2025	8/31/2025	5	21	
18	Architectural Coating - CP7	Architectural Coating	6/1/2026	1/29/2027	5	175	
19	Paving - CP7	Paving	12/14/2026	1/29/2027	5	35	

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Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 1.7**

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 268,772; Non-Residential Outdoor: 89,591; Striped Parking Area: 19,728 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - CP5	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - CP5	Excavators	3	8.00	158	0.38
Demolition - CP5	Rubber Tired Dozers	2	8.00	247	0.40
Grading - CP5	Excavators	2	8.00	158	0.38
Grading - CP5	Graders	1	8.00	187	0.41
Grading - CP5	Rubber Tired Dozers	1	8.00	247	0.40
Grading - CP5	Scrapers	2	8.00	367	0.48
Grading - CP5	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Demolition - P2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - P2	Excavators	3	8.00	158	0.38
Demolition - P2	Rubber Tired Dozers	2	8.00	247	0.40
Grading - P2	Excavators	2	8.00	158	0.38
Grading - P2	Graders	1	8.00	187	0.41

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Grading - P2	Rubber Tired Dozers	1	8.00	247	0.40
Grading - P2	Scrapers	2	8.00	367	0.48
Grading - P2	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating - CP5, P2	Air Compressors	1	6.00	78	0.48
Demolition - CP3	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - CP3	Excavators	3	8.00	158	0.38
Demolition - CP3	Rubber Tired Dozers	2	8.00	247	0.40
Paving - CP5, P2	Pavers	2	8.00	130	0.42
Paving - CP5, P2	Paving Equipment	2	8.00	132	0.36
Paving - CP5, P2	Rollers	2	8.00	80	0.38
Architectural Coating - CP3	Air Compressors	1	6.00	78	0.48
Grading - CP3	Excavators	2	8.00	158	0.38
Grading - CP3	Graders	1	8.00	187	0.41
Grading - CP3	Rubber Tired Dozers	1	8.00	247	0.40
Grading - CP3	Scrapers	2	8.00	367	0.48
Grading - CP3	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving - CP3	Pavers	2	8.00	130	0.42
Paving - CP3	Paving Equipment	2	8.00	132	0.36
Paving - CP3	Rollers	2	8.00	80	0.38
Demolition - CP6	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - CP6	Excavators	3	8.00	158	0.38
Demolition - CP6	Rubber Tired Dozers	2	8.00	247	0.40
Grading - CP6	Excavators	2	8.00	158	0.38
Grading - CP6	Graders	1	8.00	187	0.41
Grading - CP6	Rubber Tired Dozers	1	8.00	247	0.40
Grading - CP6	Scrapers	2	8.00	367	0.48
Grading - CP6	Tractors/Loaders/Backhoes	2	8.00	97	0.37

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Architectural Coating - CP6	Air Compressors	1	6.00	78	0.48
Paving - CP6	Pavers	2	8.00	130	0.42
Paving - CP6	Paving Equipment	2	8.00	132	0.36
Paving - CP6	Rollers	2	8.00	80	0.38
Demolition - CP7	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - CP7	Excavators	3	8.00	158	0.38
Demolition - CP7	Rubber Tired Dozers	2	8.00	247	0.40
Grading - CP7	Excavators	2	8.00	158	0.38
Grading - CP7	Graders	1	8.00	187	0.41
Grading - CP7	Rubber Tired Dozers	1	8.00	247	0.40
Grading - CP7	Scrapers	2	8.00	367	0.48
Grading - CP7	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating - CP7	Air Compressors	1	6.00	78	0.48
Paving - CP7	Pavers	2	8.00	130	0.42
Paving - CP7	Paving Equipment	2	8.00	132	0.36
Paving - CP7	Rollers	2	8.00	80	0.38

Trips and VMT

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - CP5	6	15.00	0.00	287.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - CP5	8	20.00	0.00	4,017.00	10.80	7.30	6.60	LD_Mix	HDT_Mix	HHDT
Building Construction	9	546.00	237.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - P2	6	15.00	0.00	287.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - P2	8	20.00	0.00	4,017.00	10.80	7.30	6.60	LD_Mix	HDT_Mix	HHDT
Architectural Coating - CP5, P2	1	109.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - CP3	6	15.00	0.00	287.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving - CP5, P2	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - CP3	1	109.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - CP3	8	20.00	0.00	4,017.00	10.80	7.30	6.60	LD_Mix	HDT_Mix	HHDT
Paving - CP3	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - CP6	6	15.00	0.00	287.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - CP6	8	20.00	0.00	4,017.00	10.80	7.30	6.60	LD_Mix	HDT_Mix	HHDT
Architectural Coating - CP6	1	109.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving - CP6	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - CP7	6	15.00	0.00	287.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - CP7	8	20.00	0.00	4,017.00	10.80	7.30	6.60	LD_Mix	HDT_Mix	HHDT
Architectural Coating - CP7	1	109.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving - CP7	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - CP5 - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.8565	0.0000	2.8565	0.4326	0.0000	0.4326							
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411							
Total	3.1651	31.4407	21.5650	0.0388	2.8565	1.5513	4.4078	0.4326	1.4411	1.8737							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0995	3.3728	0.8696	9.8900e-003	0.2280	0.0104	0.2384	0.0625	9.9700e-003	0.0724							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335							
Total	0.1584	3.4107	1.2436	0.0110	0.3512	0.0113	0.3624	0.0952	0.0108	0.1059							

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3.2 Demolition - CP5 - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.8565	0.0000	2.8565	0.4326	0.0000	0.4326							
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411							
Total	3.1651	31.4407	21.5650	0.0388	2.8565	1.5513	4.4078	0.4326	1.4411	1.8737							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0995	3.3728	0.8696	9.8900e-003	0.2280	0.0104	0.2384	0.0625	9.9700e-003	0.0724							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335							
Total	0.1584	3.4107	1.2436	0.0110	0.3512	0.0113	0.3624	0.0952	0.0108	0.1059							

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3.3 Grading - CP5 - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					8.9017	0.0000	8.9017	3.6257	0.0000	3.6257							
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265							
Total	4.1912	46.3998	30.8785	0.0620	8.9017	1.9853	10.8870	3.6257	1.8265	5.4522							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.3488	13.6107	3.0593	0.0291	0.5400	0.0285	0.5685	0.1481	0.0273	0.1754							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0785	0.0505	0.4987	1.5300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446							
Total	0.4273	13.6612	3.5579	0.0306	0.7043	0.0297	0.7340	0.1917	0.0284	0.2200							

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3.3 Grading - CP5 - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					8.9017	0.0000	8.9017	3.6257	0.0000	3.6257							
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265							
Total	4.1912	46.3998	30.8785	0.0620	8.9017	1.9853	10.8870	3.6257	1.8265	5.4522							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.3488	13.6107	3.0593	0.0291	0.5400	0.0285	0.5685	0.1481	0.0273	0.1754							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0785	0.0505	0.4987	1.5300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446							
Total	0.4273	13.6612	3.5579	0.0306	0.7043	0.0297	0.7340	0.1917	0.0284	0.2200							

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3.4 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013							
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.7554	24.0694	6.8480	0.0626	1.6044	0.0527	1.6571	0.4619	0.0504	0.5123							
Worker	2.1416	1.3773	13.6131	0.0419	4.4853	0.0310	4.5163	1.1897	0.0285	1.2182							
Total	2.8971	25.4466	20.4611	0.1044	6.0897	0.0837	6.1734	1.6516	0.0790	1.7305							

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3.4 Building Construction - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013							
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.7554	24.0694	6.8480	0.0626	1.6044	0.0527	1.6571	0.4619	0.0504	0.5123							
Worker	2.1416	1.3773	13.6131	0.0419	4.4853	0.0310	4.5163	1.1897	0.0285	1.2182							
Total	2.8971	25.4466	20.4611	0.1044	6.0897	0.0837	6.1734	1.6516	0.0790	1.7305							

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3.4 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612							
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.7027	22.7300	6.4839	0.0619	1.6044	0.0455	1.6499	0.4619	0.0435	0.5053							
Worker	2.0295	1.2556	12.6317	0.0403	4.4853	0.0303	4.5156	1.1897	0.0279	1.2176							
Total	2.7323	23.9856	19.1156	0.1022	6.0897	0.0758	6.1654	1.6516	0.0714	1.7229							

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3.4 Building Construction - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612							
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.7027	22.7300	6.4839	0.0619	1.6044	0.0455	1.6499	0.4619	0.0435	0.5053							
Worker	2.0295	1.2556	12.6317	0.0403	4.4853	0.0303	4.5156	1.1897	0.0279	1.2176							
Total	2.7323	23.9856	19.1156	0.1022	6.0897	0.0758	6.1654	1.6516	0.0714	1.7229							

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3.4 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584							
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.5425	17.8748	5.8567	0.0602	1.6044	0.0223	1.6267	0.4619	0.0214	0.4832							
Worker	1.9271	1.1463	11.7083	0.0388	4.4853	0.0297	4.5150	1.1897	0.0274	1.2171							
Total	2.4696	19.0211	17.5650	0.0990	6.0896	0.0521	6.1417	1.6516	0.0487	1.7003							

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3.4 Building Construction - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269			0.6997	0.6997		0.6584	0.6584						
Total	1.5728	14.3849	16.2440	0.0269			0.6997	0.6997		0.6584	0.6584						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.5425	17.8748	5.8567	0.0602	1.6044	0.0223	1.6267	0.4619	0.0214	0.4832							
Worker	1.9271	1.1463	11.7083	0.0388	4.4853	0.0297	4.5150	1.1897	0.0274	1.2171							
Total	2.4696	19.0211	17.5650	0.0990	6.0896	0.0521	6.1417	1.6516	0.0487	1.7003							

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3.4 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769							
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.5230	17.6257	5.6705	0.0597	1.6044	0.0217	1.6261	0.4619	0.0207	0.4826							
Worker	1.8361	1.0513	10.9299	0.0373	4.4853	0.0292	4.5144	1.1897	0.0269	1.2166							
Total	2.3591	18.6770	16.6005	0.0970	6.0896	0.0509	6.1405	1.6516	0.0476	1.6991							

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3.4 Building Construction - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769							
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.5230	17.6257	5.6705	0.0597	1.6044	0.0217	1.6261	0.4619	0.0207	0.4826							
Worker	1.8361	1.0513	10.9299	0.0373	4.4853	0.0292	4.5144	1.1897	0.0269	1.2166							
Total	2.3591	18.6770	16.6005	0.0970	6.0896	0.0509	6.1405	1.6516	0.0476	1.6991							

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3.4 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.5074	17.3706	5.5546	0.0593	1.6044	0.0210	1.6254	0.4619	0.0201	0.4819							
Worker	1.7565	0.9692	10.1988	0.0358	4.4853	0.0287	4.5140	1.1897	0.0264	1.2161							
Total	2.2639	18.3398	15.7534	0.0950	6.0896	0.0497	6.1393	1.6516	0.0465	1.6980							

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3.4 Building Construction - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.5074	17.3706	5.5546	0.0593	1.6044	0.0210	1.6254	0.4619	0.0201	0.4819							
Worker	1.7565	0.9692	10.1988	0.0358	4.4853	0.0287	4.5140	1.1897	0.0264	1.2161							
Total	2.2639	18.3398	15.7534	0.0950	6.0896	0.0497	6.1393	1.6516	0.0465	1.6980							

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3.4 Building Construction - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.4942	17.1236	5.4729	0.0589	1.6044	0.0203	1.6247	0.4619	0.0194	0.4813							
Worker	1.6870	0.9014	9.5814	0.0344	4.4853	0.0278	4.5131	1.1897	0.0256	1.2153							
Total	2.1812	18.0250	15.0544	0.0933	6.0896	0.0481	6.1378	1.6516	0.0450	1.6966							

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3.4 Building Construction - 2026**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.4942	17.1236	5.4729	0.0589	1.6044	0.0203	1.6247	0.4619	0.0194	0.4813							
Worker	1.6870	0.9014	9.5814	0.0344	4.4853	0.0278	4.5131	1.1897	0.0256	1.2153							
Total	2.1812	18.0250	15.0544	0.0933	6.0896	0.0481	6.1378	1.6516	0.0450	1.6966							

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3.4 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.4832	16.8863	5.4039	0.0585	1.6044	0.0198	1.6242	0.4619	0.0189	0.4808							
Worker	1.6167	0.8413	9.0345	0.0333	4.4853	0.0263	4.5116	1.1897	0.0242	1.2139							
Total	2.0999	17.7276	14.4383	0.0918	6.0896	0.0461	6.1357	1.6516	0.0431	1.6947							

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3.4 Building Construction - 2027**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.4832	16.8863	5.4039	0.0585	1.6044	0.0198	1.6242	0.4619	0.0189	0.4808							
Worker	1.6167	0.8413	9.0345	0.0333	4.4853	0.0263	4.5116	1.1897	0.0242	1.2139							
Total	2.0999	17.7276	14.4383	0.0918	6.0896	0.0461	6.1357	1.6516	0.0431	1.6947							

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3.5 Demolition - P2 - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.8565	0.0000	2.8565	0.4326	0.0000	0.4326							
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411							
Total	3.1651	31.4407	21.5650	0.0388	2.8565	1.5513	4.4079	0.4326	1.4411	1.8737							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0995	3.3728	0.8696	9.8900e-003	0.2280	0.0104	0.2384	0.0625	9.9700e-003	0.0724							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335							
Total	0.1584	3.4107	1.2436	0.0110	0.3512	0.0113	0.3624	0.0952	0.0108	0.1059							

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3.5 Demolition - P2 - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.8565	0.0000	2.8565	0.4326	0.0000	0.4326							
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411							
Total	3.1651	31.4407	21.5650	0.0388	2.8565	1.5513	4.4079	0.4326	1.4411	1.8737							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0995	3.3728	0.8696	9.8900e-003	0.2280	0.0104	0.2384	0.0625	9.9700e-003	0.0724							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335							
Total	0.1584	3.4107	1.2436	0.0110	0.3512	0.0113	0.3624	0.0952	0.0108	0.1059							

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3.6 Grading - P2 - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					11.6504	0.0000	11.6504	3.9269	0.0000	3.9269							
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265							
Total	4.1912	46.3998	30.8785	0.0620	11.6504	1.9853	13.6357	3.9269	1.8265	5.7534							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.6818	26.6028	5.9794	0.0568	1.0555	0.0558	1.1112	0.2895	0.0534	0.3429							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0785	0.0505	0.4987	1.5300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446							
Total	0.7602	26.6533	6.4781	0.0583	1.2198	0.0569	1.2767	0.3331	0.0544	0.3875							

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3.6 Grading - P2 - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					11.6504	0.0000	11.6504	3.9269	0.0000	3.9269							
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265							
Total	4.1912	46.3998	30.8785	0.0620	11.6504	1.9853	13.6357	3.9269	1.8265	5.7534							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.6818	26.6028	5.9794	0.0568	1.0555	0.0558	1.1112	0.2895	0.0534	0.3429							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0785	0.0505	0.4987	1.5300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446							
Total	0.7602	26.6533	6.4781	0.0583	1.2198	0.0569	1.2767	0.3331	0.0544	0.3875							

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3.7 Architectural Coating - CP5, P2 - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.0701						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817					
Total	50.2746	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817					

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.4052	0.2507	2.5217	8.0500e-003	0.8954	6.0500e-003	0.9015	0.2375	5.5700e-003	0.2431						
Total	0.4052	0.2507	2.5217	8.0500e-003	0.8954	6.0500e-003	0.9015	0.2375	5.5700e-003	0.2431						

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3.7 Architectural Coating - CP5, P2 - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.0701						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817					
Total	50.2746	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817					

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.4052	0.2507	2.5217	8.0500e-003	0.8954	6.0500e-003	0.9015	0.2375	5.5700e-003	0.2431						
Total	0.4052	0.2507	2.5217	8.0500e-003	0.8954	6.0500e-003	0.9015	0.2375	5.5700e-003	0.2431						

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3.8 Demolition - CP3 - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.9925	0.0000	2.9925	0.4532	0.0000	0.4532							
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553							
Total	2.6392	25.7194	20.5941	0.0388	2.9925	1.2427	4.2352	0.4532	1.1553	1.6084							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0979	3.2298	0.9030	0.0102	0.2388	9.2600e-003	0.2481	0.0655	8.8600e-003	0.0743							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0558	0.0345	0.3470	1.1100e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335							
Total	0.1537	3.2643	1.2501	0.0113	0.3620	0.0101	0.3721	0.0981	9.6300e-003	0.1078							

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3.8 Demolition - CP3 - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.9925	0.0000	2.9925	0.4532	0.0000	0.4532							
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553							
Total	2.6392	25.7194	20.5941	0.0388	2.9925	1.2427	4.2352	0.4532	1.1553	1.6084							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0979	3.2298	0.9030	0.0102	0.2388	9.2600e-003	0.2481	0.0655	8.8600e-003	0.0743							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0558	0.0345	0.3470	1.1100e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335							
Total	0.1537	3.2643	1.2501	0.0113	0.3620	0.0101	0.3721	0.0981	9.6300e-003	0.1078							

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3.9 Paving - CP5, P2 - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228			0.5679	0.5679		0.5225	0.5225					
Paving	0.0000						0.0000	0.0000		0.0000	0.0000					
Total	1.1028	11.1249	14.5805	0.0228			0.5679	0.5679		0.5225	0.5225					

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0558	0.0345	0.3470	1.1100e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335						
Total	0.0558	0.0345	0.3470	1.1100e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335						

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3.9 Paving - CP5, P2 - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228			0.5679	0.5679		0.5225	0.5225					
Paving	0.0000						0.0000	0.0000		0.0000	0.0000					
Total	1.1028	11.1249	14.5805	0.0228			0.5679	0.5679		0.5225	0.5225					

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0558	0.0345	0.3470	1.1100e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335						
Total	0.0558	0.0345	0.3470	1.1100e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335						

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3.10 Architectural Coating - CP3 - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.7470						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1917	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708					
Total	5.9386	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708					

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3847	0.2288	2.3374	7.7400e-003	0.8954	5.9300e-003	0.9013	0.2375	5.4600e-003	0.2430						
Total	0.3847	0.2288	2.3374	7.7400e-003	0.8954	5.9300e-003	0.9013	0.2375	5.4600e-003	0.2430						

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3.10 Architectural Coating - CP3 - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.7470						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1917	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708					
Total	5.9386	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708					

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3847	0.2288	2.3374	7.7400e-003	0.8954	5.9300e-003	0.9013	0.2375	5.4600e-003	0.2430						
Total	0.3847	0.2288	2.3374	7.7400e-003	0.8954	5.9300e-003	0.9013	0.2375	5.4600e-003	0.2430						

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3.10 Architectural Coating - CP3 - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.7470						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609					
Total	5.9277	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609					

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3665	0.2099	2.1820	7.4400e-003	0.8954	5.8200e-003	0.9012	0.2375	5.3600e-003	0.2429						
Total	0.3665	0.2099	2.1820	7.4400e-003	0.8954	5.8200e-003	0.9012	0.2375	5.3600e-003	0.2429						

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3.10 Architectural Coating - CP3 - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.7470						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609					
Total	5.9277	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609					

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3665	0.2099	2.1820	7.4400e-003	0.8954	5.8200e-003	0.9012	0.2375	5.3600e-003	0.2429						
Total	0.3665	0.2099	2.1820	7.4400e-003	0.8954	5.8200e-003	0.9012	0.2375	5.3600e-003	0.2429						

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3.11 Grading - CP3 - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					11.9184	0.0000	11.9184	3.9562	0.0000	3.9562							
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105							
Total	3.3217	34.5156	28.0512	0.0621	11.9184	1.4245	13.3429	3.9562	1.3105	5.2668							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.4825	19.8904	5.5650	0.0564	1.1057	0.0238	1.1295	0.3033	0.0228	0.3261							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0706	0.0420	0.4289	1.4200e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446							
Total	0.5531	19.9324	5.9939	0.0578	1.2700	0.0249	1.2949	0.3469	0.0238	0.3706							

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3.11 Grading - CP3 - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					11.9184	0.0000	11.9184	3.9562	0.0000	3.9562							
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105							
Total	3.3217	34.5156	28.0512	0.0621	11.9184	1.4245	13.3429	3.9562	1.3105	5.2668							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.4825	19.8904	5.5650	0.0564	1.1057	0.0238	1.1295	0.3033	0.0228	0.3261							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0706	0.0420	0.4289	1.4200e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446							
Total	0.5531	19.9324	5.9939	0.0578	1.2700	0.0249	1.2949	0.3469	0.0238	0.3706							

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3.12 Paving - CP3 - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0529	0.0315	0.3217	1.0700e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334						
Total	0.0529	0.0315	0.3217	1.0700e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334						

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3.12 Paving - CP3 - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0529	0.0315	0.3217	1.0700e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334						
Total	0.0529	0.0315	0.3217	1.0700e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334						

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3.12 Paving - CP3 - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0504	0.0289	0.3003	1.0200e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334						
Total	0.0504	0.0289	0.3003	1.0200e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334						

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3.12 Paving - CP3 - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228			0.4685	0.4685		0.4310	0.4310						
Paving	0.0000						0.0000	0.0000		0.0000	0.0000						
Total	0.9882	9.5246	14.6258	0.0228			0.4685	0.4685		0.4310	0.4310						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0504	0.0289	0.3003	1.0200e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334							
Total	0.0504	0.0289	0.3003	1.0200e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334							

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3.13 Demolition - CP6 - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.7323	0.0000	2.7323	0.4138	0.0000	0.4138							
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922							
Total	2.2437	20.8781	19.7073	0.0388	2.7323	0.9602	3.6925	0.4138	0.8922	1.3060							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0629	1.9744	0.7726	8.8700e-003	0.2180	3.7600e-003	0.2218	0.0598	3.6000e-003	0.0634							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0504	0.0289	0.3003	1.0200e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334							
Total	0.1133	2.0033	1.0729	9.8900e-003	0.3413	4.5600e-003	0.3458	0.0924	4.3400e-003	0.0968							

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3.13 Demolition - CP6 - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.7323	0.0000	2.7323	0.4138	0.0000	0.4138							
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922							
Total	2.2437	20.8781	19.7073	0.0388	2.7323	0.9602	3.6925	0.4138	0.8922	1.3060							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0629	1.9744	0.7726	8.8700e-003	0.2180	3.7600e-003	0.2218	0.0598	3.6000e-003	0.0634							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0504	0.0289	0.3003	1.0200e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334							
Total	0.1133	2.0033	1.0729	9.8900e-003	0.3413	4.5600e-003	0.3458	0.0924	4.3400e-003	0.0968							

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3.14 Grading - CP6 - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					8.9702	0.0000	8.9702	3.6332	0.0000	3.6332							
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286							
Total	3.2181	32.3770	27.7228	0.0621	8.9702	1.3354	10.3056	3.6332	1.2286	4.8618							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.2357	9.7550	2.7777	0.0279	0.5529	0.0114	0.5643	0.1516	0.0109	0.1626							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0673	0.0385	0.4004	1.3600e-003	0.1643	1.0700e-003	0.1654	0.0436	9.8000e-004	0.0446							
Total	0.3029	9.7935	3.1781	0.0293	0.7172	0.0125	0.7297	0.1952	0.0119	0.2071							

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3.14 Grading - CP6 - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					8.9702	0.0000	8.9702	3.6332	0.0000	3.6332							
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286							
Total	3.2181	32.3770	27.7228	0.0621	8.9702	1.3354	10.3056	3.6332	1.2286	4.8618							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.2357	9.7550	2.7777	0.0279	0.5529	0.0114	0.5643	0.1516	0.0109	0.1626							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0673	0.0385	0.4004	1.3600e-003	0.1643	1.0700e-003	0.1654	0.0436	9.8000e-004	0.0446							
Total	0.3029	9.7935	3.1781	0.0293	0.7172	0.0125	0.7297	0.1952	0.0119	0.2071							

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3.15 Architectural Coating - CP6 - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.5349						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609					
Total	7.7157	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609					

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3665	0.2099	2.1820	7.4400e-003	0.8954	5.8200e-003	0.9012	0.2375	5.3600e-003	0.2429						
Total	0.3665	0.2099	2.1820	7.4400e-003	0.8954	5.8200e-003	0.9012	0.2375	5.3600e-003	0.2429						

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3.15 Architectural Coating - CP6 - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.5349						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609					
Total	7.7157	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609					

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3665	0.2099	2.1820	7.4400e-003	0.8954	5.8200e-003	0.9012	0.2375	5.3600e-003	0.2429						
Total	0.3665	0.2099	2.1820	7.4400e-003	0.8954	5.8200e-003	0.9012	0.2375	5.3600e-003	0.2429						

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3.15 Architectural Coating - CP6 - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.5349						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					
Total	7.7058	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3507	0.1935	2.0360	7.1400e-003	0.8954	5.7300e-003	0.9011	0.2375	5.2800e-003	0.2428						
Total	0.3507	0.1935	2.0360	7.1400e-003	0.8954	5.7300e-003	0.9011	0.2375	5.2800e-003	0.2428						

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3.15 Architectural Coating - CP6 - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.5349						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					
Total	7.7058	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3507	0.1935	2.0360	7.1400e-003	0.8954	5.7300e-003	0.9011	0.2375	5.2800e-003	0.2428						
Total	0.3507	0.1935	2.0360	7.1400e-003	0.8954	5.7300e-003	0.9011	0.2375	5.2800e-003	0.2428						

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3.16 Paving - CP6 - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0483	0.0266	0.2802	9.8000e-004	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334						
Total	0.0483	0.0266	0.2802	9.8000e-004	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334						

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3.16 Paving - CP6 - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0483	0.0266	0.2802	9.8000e-004	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334						
Total	0.0483	0.0266	0.2802	9.8000e-004	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334						

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3.17 Demolition - CP7 - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.7323	0.0000	2.7323	0.4138	0.0000	0.4138							
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920							
Total	2.0926	19.1966	19.4184	0.0388	2.7323	0.8528	3.5851	0.4138	0.7920	1.2057							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0619	1.9236	0.7822	8.8000e-003	0.2180	3.6500e-003	0.2217	0.0598	3.4900e-003	0.0633							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0483	0.0266	0.2802	9.8000e-004	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334							
Total	0.1102	1.9503	1.0624	9.7800e-003	0.3413	4.4400e-003	0.3457	0.0924	4.2200e-003	0.0967							

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3.17 Demolition - CP7 - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.7323	0.0000	2.7323	0.4138	0.0000	0.4138							
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920							
Total	2.0926	19.1966	19.4184	0.0388	2.7323	0.8528	3.5851	0.4138	0.7920	1.2057							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0619	1.9236	0.7822	8.8000e-003	0.2180	3.6500e-003	0.2217	0.0598	3.4900e-003	0.0633							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0483	0.0266	0.2802	9.8000e-004	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334							
Total	0.1102	1.9503	1.0624	9.7800e-003	0.3413	4.4400e-003	0.3457	0.0924	4.2200e-003	0.0967							

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3.18 Grading - CP7 - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					11.9184	0.0000	11.9184	3.9562	0.0000	3.9562							
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404							
Total	2.9012	27.9429	26.3311	0.0621	11.9184	1.1309	13.0493	3.9562	1.0404	4.9967							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.4621	19.1405	5.5907	0.0552	1.1057	0.0218	1.1275	0.3033	0.0209	0.3242							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0643	0.0355	0.3736	1.3100e-003	0.1643	1.0500e-003	0.1654	0.0436	9.7000e-004	0.0446							
Total	0.5265	19.1760	5.9643	0.0566	1.2700	0.0229	1.2929	0.3469	0.0219	0.3687							

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3.18 Grading - CP7 - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					11.9184	0.0000	11.9184	3.9562	0.0000	3.9562							
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404							
Total	2.9012	27.9429	26.3311	0.0621	11.9184	1.1309	13.0493	3.9562	1.0404	4.9967							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.4621	19.1405	5.5907	0.0552	1.1057	0.0218	1.1275	0.3033	0.0209	0.3242							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0643	0.0355	0.3736	1.3100e-003	0.1643	1.0500e-003	0.1654	0.0436	9.7000e-004	0.0446							
Total	0.5265	19.1760	5.9643	0.0566	1.2700	0.0229	1.2929	0.3469	0.0219	0.3687							

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3.19 Architectural Coating - CP7 - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.4802						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					
Total	11.6510	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3368	0.1799	1.9128	6.8700e-003	0.8954	5.5500e-003	0.9010	0.2375	5.1100e-003	0.2426						
Total	0.3368	0.1799	1.9128	6.8700e-003	0.8954	5.5500e-003	0.9010	0.2375	5.1100e-003	0.2426						

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3.19 Architectural Coating - CP7 - 2026**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.4802						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					
Total	11.6510	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3368	0.1799	1.9128	6.8700e-003	0.8954	5.5500e-003	0.9010	0.2375	5.1100e-003	0.2426						
Total	0.3368	0.1799	1.9128	6.8700e-003	0.8954	5.5500e-003	0.9010	0.2375	5.1100e-003	0.2426						

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3.19 Architectural Coating - CP7 - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.4802						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					
Total	11.6510	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3228	0.1680	1.8036	6.6400e-003	0.8954	5.2500e-003	0.9007	0.2375	4.8300e-003	0.2423						
Total	0.3228	0.1680	1.8036	6.6400e-003	0.8954	5.2500e-003	0.9007	0.2375	4.8300e-003	0.2423						

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3.19 Architectural Coating - CP7 - 2027**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.4802						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					
Total	11.6510	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3228	0.1680	1.8036	6.6400e-003	0.8954	5.2500e-003	0.9007	0.2375	4.8300e-003	0.2423						
Total	0.3228	0.1680	1.8036	6.6400e-003	0.8954	5.2500e-003	0.9007	0.2375	4.8300e-003	0.2423						

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3.20 Paving - CP7 - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0464	0.0248	0.2632	9.5000e-004	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334						
Total	0.0464	0.0248	0.2632	9.5000e-004	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334						

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3.20 Paving - CP7 - 2026**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0464	0.0248	0.2632	9.5000e-004	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334						
Total	0.0464	0.0248	0.2632	9.5000e-004	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334						

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

3.20 Paving - CP7 - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0444	0.0231	0.2482	9.1000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.7000e-004	0.0334						
Total	0.0444	0.0231	0.2482	9.1000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.7000e-004	0.0334						

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

3.20 Paving - CP7 - 2027**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0444	0.0231	0.2482	9.1000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.7000e-004	0.0334						
Total	0.0444	0.0231	0.2482	9.1000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.7000e-004	0.0334						

4.0 Operational Detail - Mobile

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Mitigated	5.1661	20.9461	55.0638	0.2032	22.0219	0.1505	22.1723	5.8835	0.1398	6.0233							
Unmitigated	5.5348	22.6617	62.8384	0.2403	26.3895	0.1755	26.5649	7.0504	0.1630	7.2134							

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Research & Development	4,968.24	1,179.96	689.34	9,563,303	7,980,528
Strip Mall	0.00	0.00	0.00		
Total	4,968.24	1,179.96	689.34	9,563,303	7,980,528

4.3 Trip Type Information

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Research & Development	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking Structure	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
High Turnover (Sit Down Restaurant)	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
Research & Development	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
Strip Mall	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
NaturalGas Mitigated	0.2252	2.0469	1.7194	0.0123		0.1556	0.1556		0.1556	0.1556							
NaturalGas Unmitigated	0.2252	2.0469	1.7194	0.0123		0.1556	0.1556		0.1556	0.1556							

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day											lb/day					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000							
High Turnover (Sit Down Restaurant)	1194.38	0.0129	0.1171	0.0984	7.0000e-004		8.9000e-003	8.9000e-003		8.9000e-003	8.9000e-003							
Research & Development	19668.8	0.2121	1.9283	1.6198	0.0116		0.1466	0.1466		0.1466	0.1466							
Strip Mall	15.274	1.6000e-004	1.5000e-003	1.2600e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004							
Total		0.2252	2.0469	1.7194	0.0123		0.1556	0.1556		0.1556	0.1556							

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
High Turnover (Sit Down Restaurant)	1.19438	0.0129	0.1171	0.0984	7.0000e-004		8.9000e-003	8.9000e-003		8.9000e-003	8.9000e-003						
Research & Development	19.6688	0.2121	1.9283	1.6198	0.0116		0.1466	0.1466		0.1466	0.1466						
Strip Mall	0.015274	1.6000e-004	1.5000e-003	1.2600e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004						
Total		0.2252	2.0469	1.7194	0.0123		0.1556	0.1556		0.1556	0.1556						

6.0 Area Detail**6.1 Mitigation Measures Area**

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Mitigated	15.3660	2.4700e-003	0.2730	2.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004							
Unmitigated	15.3660	2.4700e-003	0.2730	2.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004							

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.6526					0.0000	0.0000		0.0000	0.0000						
Consumer Products	13.6882					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.0251	2.4700e-003	0.2730	2.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004						
Total	15.3660	2.4700e-003	0.2730	2.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004						

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.6526						0.0000	0.0000		0.0000	0.0000					
Consumer Products	13.6882						0.0000	0.0000		0.0000	0.0000					
Landscaping	0.0251	2.4700e-003	0.2730	2.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004						
Total	15.3660	2.4700e-003	0.2730	2.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004						

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Winter

Campus Point Master Plan - Existing Uses to Be Demolished
San Diego County APCD Air District, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	315.28	1000sqft	7.24	315,276.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2023
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Vehicle Trips - Based on trip gen memo from Urban Systems Associates

Area Coating - SDAPCD Rule 67.0.1

Mobile Land Use Mitigation - Location of project site in Central Business District

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	100
tblLandUse	LandUseSquareFeet	315,280.00	315,276.00
tblVehicleTrips	WD_TR	8.11	8.00

2.0 Emissions Summary

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Winter

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	lb/day											lb/day					
2020	4.1513	42.4673	22.1541	0.0400	18.2141	2.1985	20.4126	9.9699	2.0226	11.9925	0.0000	3,866.374 7	3,866.374 7	1.1961	0.0000	3,892.912 7	
2021	365.6234	24.7745	20.5959	0.0484	6.6756	1.1608	7.8363	3.4002	1.0679	4.4681	0.0000	4,801.417 3	4,801.417 3	0.9321	0.0000	4,820.246 7	
2022	365.6050	1.4545	2.2763	4.4500e-003	0.1643	0.0828	0.2471	0.0436	0.0827	0.1263	0.0000	428.7532	428.7532	0.0223	0.0000	429.3118	
Maximum	365.6234	42.4673	22.1541	0.0484	18.2141	2.1985	20.4126	9.9699	2.0226	11.9925	0.0000	4,801.417 3	4,801.417 3	1.1961	0.0000	4,820.246 7	

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	lb/day											lb/day					
2020	4.1513	42.4673	22.1541	0.0400	18.2141	2.1985	20.4126	9.9699	2.0226	11.9925	0.0000	3,866.374 7	3,866.374 7	1.1961	0.0000	3,892.912 7	
2021	365.6234	24.7745	20.5959	0.0484	6.6756	1.1608	7.8363	3.4002	1.0679	4.4681	0.0000	4,801.417 3	4,801.417 3	0.9321	0.0000	4,820.246 6	
2022	365.6050	1.4545	2.2763	4.4500e-003	0.1643	0.0828	0.2471	0.0436	0.0827	0.1263	0.0000	428.7532	428.7532	0.0223	0.0000	429.3118	
Maximum	365.6234	42.4673	22.1541	0.0484	18.2141	2.1985	20.4126	9.9699	2.0226	11.9925	0.0000	4,801.417 3	4,801.417 3	1.1961	0.0000	4,820.246 6	

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Winter

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Area	7.5506	2.9000e-004	0.0322	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0690	0.0690	1.8000e-004			0.0735	
Energy	0.1077	0.9789	0.8223	5.8700e-003		0.0744	0.0744		0.0744	0.0744	1,174.7270	1,174.7270	0.0225	0.0215	1,181.7078		
Mobile	3.5498	13.6486	40.8383	0.1422	13.4028	0.1123	13.5151	3.5818	0.1046	3.6864	14,474.4290	14,474.4290	0.7530			14,493.2534	
Total	11.2080	14.6279	41.6928	0.1480	13.4028	0.1868	13.5896	3.5818	0.1791	3.7609	15,649.2250	15,649.2250	0.7757	0.0215	15,675.0348		

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Area	7.5506	2.9000e-004	0.0322	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0690	0.0690	1.8000e-004			0.0735	
Energy	0.1077	0.9789	0.8223	5.8700e-003		0.0744	0.0744		0.0744	0.0744	1,174.7270	1,174.7270	0.0225	0.0215	1,181.7078		
Mobile	3.2771	12.2428	34.8548	0.1157	10.7446	0.0929	10.8375	2.8714	0.0865	2.9579	11,787.2765	11,787.2765	0.6354			11,803.1609	
Total	10.9354	13.2220	35.7093	0.1216	10.7446	0.1674	10.9120	2.8714	0.1610	3.0324	12,962.0726	12,962.0726	0.6581	0.0215	12,984.9423		

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	2.43	9.61	14.35	17.85	19.83	10.39	19.70	19.83	10.10	19.37	0.00	17.17	17.17	15.16	0.00	17.16

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/27/2020	11/23/2020	5	20	
2	Site Preparation	Site Preparation	11/24/2020	12/7/2020	5	10	
3	Grading	Grading	12/8/2020	1/4/2021	5	20	
4	Building Construction	Building Construction	1/5/2021	11/22/2021	5	230	
5	Paving	Paving	11/23/2021	12/20/2021	5	20	
6	Architectural Coating	Architectural Coating	12/21/2021	1/17/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 472,914; Non-Residential Outdoor: 157,638; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	101.00	52.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**3.2 Demolition - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	3,747.704 9	3,747.704 9	1.0580		3,774.153 6	
Total	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	3,747.704 9	3,747.704 9	1.0580		3,774.153 6	

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3.2 Demolition - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0623	0.0416	0.4009	1.1900e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		118.6698	118.6698	3.5700e-003		118.7591	
Total	0.0623	0.0416	0.4009	1.1900e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		118.6698	118.6698	3.5700e-003		118.7591	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536	
Total	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536	

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3.2 Demolition - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0623	0.0416	0.4009	1.1900e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		118.6698	118.6698	3.5700e-003		118.7591	
Total	0.0623	0.0416	0.4009	1.1900e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		118.6698	118.6698	3.5700e-003		118.7591	

3.3 Site Preparation - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307		0.0000				0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	3,685.101 6	3,685.101 6	1.1918			3,714.897 5
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.101 6	3,685.101 6	1.1918		3,714.897 5

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3.3 Site Preparation - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0748	0.0500	0.4810	1.4300e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		142.4038	142.4038	4.2900e-003		142.5109	
Total	0.0748	0.0500	0.4810	1.4300e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		142.4038	142.4038	4.2900e-003		142.5109	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307		0.0000				0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

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3.3 Site Preparation - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0748	0.0500	0.4810	1.4300e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		142.4038	142.4038	4.2900e-003		142.5109	
Total	0.0748	0.0500	0.4810	1.4300e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402		142.4038	142.4038	4.2900e-003		142.5109	

3.4 Grading - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675		0.0000				0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.5523	1.2734	7.8258	3.3675	1.1716	4.5390		2,872.4851	2,872.4851	0.9290		2,895.7106

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Winter

3.4 Grading - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0623	0.0416	0.4009	1.1900e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335			118.6698	118.6698	3.5700e-003		118.7591
Total	0.0623	0.0416	0.4009	1.1900e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335			118.6698	118.6698	3.5700e-003		118.7591

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.5523	1.2734	7.8258	3.3675	1.1716	4.5390	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106

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3.4 Grading - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0623	0.0416	0.4009	1.1900e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		118.6698	118.6698	3.5700e-003		118.7591	
Total	0.0623	0.0416	0.4009	1.1900e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		118.6698	118.6698	3.5700e-003		118.7591	

3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675		0.0000				0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346		2,871.9285	2,871.9285	0.9288		2,895.1495

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3.4 Grading - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645	
Total	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675		0.0000				0.0000	
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495	
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495	

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3.4 Grading - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645	
Total	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645	

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.363 9	2,553.363 9	0.6160		2,568.764 3	
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.363 9	2,553.363 9	0.6160		2,568.764 3	

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3.5 Building Construction - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.1658	5.2810	1.5025	0.0137	0.3520	0.0116	0.3636	0.1013	0.0111	0.1124		1,475.860 4	1,475.860 4	0.1150		1,478.734 7	
Worker	0.3962	0.2548	2.5182	7.7500e-003	0.8297	5.7300e-003	0.8354	0.2201	5.2800e-003	0.2254		772.1931	772.1931	0.0222		772.7477	
Total	0.5619	5.5358	4.0207	0.0215	1.1817	0.0173	1.1990	0.3214	0.0163	0.3378		2,248.053 4	2,248.053 4	0.1372		2,251.482 4	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.363 9	2,553.363 9	0.6160		2,568.764 3	
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.363 9	2,553.363 9	0.6160		2,568.764 3	

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3.5 Building Construction - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.1658	5.2810	1.5025	0.0137	0.3520	0.0116	0.3636	0.1013	0.0111	0.1124		1,475.860 4	1,475.860 4	0.1150		1,478.734 7	
Worker	0.3962	0.2548	2.5182	7.7500e-003	0.8297	5.7300e-003	0.8354	0.2201	5.2800e-003	0.2254		772.1931	772.1931	0.0222		772.7477	
Total	0.5619	5.5358	4.0207	0.0215	1.1817	0.0173	1.1990	0.3214	0.0163	0.3378		2,248.053 4	2,248.053 4	0.1372		2,251.482 4	

3.6 Paving - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.210 9	2,207.210 9	0.7139		2,225.057 3	
Paving	0.0000					0.0000	0.0000		0.0000	0.0000		0.0000		0.0000		0.0000	
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.210 9	2,207.210 9	0.7139		2,225.057 3	

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3.6 Paving - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335			114.6821	114.6821	3.2900e-003	114.7645	
Total	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335			114.6821	114.6821	3.2900e-003	114.7645	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.210 9	2,207.210 9	0.7139		2,225.057 3	
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.210 9	2,207.210 9	0.7139		2,225.057 3	

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3.6 Paving - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645	
Total	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		114.6821	114.6821	3.2900e-003		114.7645	

3.7 Architectural Coating - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Archit. Coating	365.3261						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309	
Total	365.5450	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309	

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3.7 Architectural Coating - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0785	0.0505	0.4987	1.5300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446		152.9095	152.9095	4.3900e-003		153.0193	
Total	0.0785	0.0505	0.4987	1.5300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446		152.9095	152.9095	4.3900e-003		153.0193	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Archit. Coating	365.3261						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309	
Total	365.5450	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309	

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3.7 Architectural Coating - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0785	0.0505	0.4987	1.5300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446		152.9095	152.9095	4.3900e-003		153.0193	
Total	0.0785	0.0505	0.4987	1.5300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446		152.9095	152.9095	4.3900e-003		153.0193	

3.7 Architectural Coating - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Archit. Coating	365.3261						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062	
Total	365.5306	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062	

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Winter

3.7 Architectural Coating - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446	147.3051	147.3051	4.0200e-003			147.4057	
Total	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		147.3051	147.3051	4.0200e-003		147.4057	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Archit. Coating	365.3261						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062	
Total	365.5306	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062	

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Winter

3.7 Architectural Coating - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446	147.3051	147.3051	4.0200e-003			147.4057	
Total	0.0743	0.0460	0.4627	1.4800e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		147.3051	147.3051	4.0200e-003		147.4057	

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Improve Destination Accessibility

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Mitigated	3.2771	12.2428	34.8548	0.1157	10.7446	0.0929	10.8375	2.8714	0.0865	2.9579	11,787.27 65	11,787.27 65	0.6354		11,803.16 09		
Unmitigated	3.5498	13.6486	40.8383	0.1422	13.4028	0.1123	13.5151	3.5818	0.1046	3.6864	14,474.42 90	14,474.42 90	0.7530		14,493.25 34		

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
Research & Development	2,522.24	599.03	349.96	4,855,028		3,892,114	
Total	2,522.24	599.03	349.96	4,855,028		3,892,114	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Research & Development	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Research & Development	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1077	0.9789	0.8223	5.8700e-003		0.0744	0.0744		0.0744	0.0744	1,174.7270	1,174.7270	0.0225	0.0215	1,181.7078	
NaturalGas Unmitigated	0.1077	0.9789	0.8223	5.8700e-003		0.0744	0.0744		0.0744	0.0744	1,174.7270	1,174.7270	0.0225	0.0215	1,181.7078	

5.2 Energy by Land Use - NaturalGasUnmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Research & Development	9985.18	0.1077	0.9789	0.8223	5.8700e-003		0.0744	0.0744		0.0744	0.0744	1,174.7270	1,174.7270	0.0225	0.0215	1,181.7078	
Total		0.1077	0.9789	0.8223	5.8700e-003		0.0744	0.0744		0.0744	0.0744	1,174.7270	1,174.7270	0.0225	0.0215	1,181.7078	

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Winter

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Research & Development	9.98518	0.1077	0.9789	0.8223	5.8700e-003		0.0744	0.0744		0.0744	0.0744	1,174.7270	1,174.7270	0.0225	0.0215	1,181.7078	
Total		0.1077	0.9789	0.8223	5.8700e-003		0.0744	0.0744		0.0744	0.0744	1,174.7270	1,174.7270	0.0225	0.0215	1,181.7078	

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.5506	2.9000e-004	0.0322	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0690	0.0690	1.8000e-004			0.0735
Unmitigated	7.5506	2.9000e-004	0.0322	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0690	0.0690	1.8000e-004			0.0735

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6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8007						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Consumer Products	6.7469						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Landscaping	2.9800e-003	2.9000e-004	0.0322	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0735
Total	7.5506	2.9000e-004	0.0322	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0735

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8007						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Consumer Products	6.7469						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Landscaping	2.9800e-003	2.9000e-004	0.0322	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0735
Total	7.5506	2.9000e-004	0.0322	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0735

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Summer

Campus Point Master Plan - Proposed Project
San Diego County APCD Air District, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	621.03	1000sqft	23.28	621,032.00	0
Enclosed Parking Structure	2,055.00	Space	1.70	822,000.00	0
High Turnover (Sit Down Restaurant)	2.50	1000sqft	0.06	2,500.00	0
Strip Mall	2.50	1000sqft	0.06	2,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2028
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Split accessory space evenly between restaurant and retail. Parking lot acreage measured on site plan footprint for P2 - all other parking subterranean. Total acreage based on area of disturbance measured from site plan.

Construction Phase - Provided by client

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Summer

Off-road Equipment -
Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Trips and VMT - All soil export hauled to Miramar Greenery facility.

Demolition - Distributed demolition sf equally to each phase.

Grading - Soil export distributed evenly to each phase

Architectural Coating - SDAPCD Rule 67.0.1. Adjusted SF for phasing.

Vehicle Trips - Based on trip gen memo from Urban Systems Associates

Area Coating - SDAPCD Rule 67.0.1

Energy Use -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation - Increased employment density and location of project site in Central Business District

Energy Mitigation -

Water Mitigation -

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	313,016.00	68,250.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	313,016.00	89,591.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	313,016.00	51,780.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	313,016.00	105,896.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	939,048.00	204,750.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	939,048.00	268,772.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	939,048.00	155,339.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	939,048.00	317,688.00
tblArchitecturalCoating	ConstArea_Parking	49,320.00	9,864.00
tblArchitecturalCoating	ConstArea_Parking	49,320.00	19,728.00
tblArchitecturalCoating	ConstArea_Parking	49,320.00	9,864.00
tblArchitecturalCoating	ConstArea_Parking	49,320.00	9,864.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100

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tblAreaCoating	Area_EF_Parking	250	100
tblConstructionPhase	NumDays	35.00	174.00
tblConstructionPhase	NumDays	35.00	175.00
tblConstructionPhase	NumDays	35.00	175.00
tblConstructionPhase	NumDays	440.00	1,457.00
tblConstructionPhase	NumDays	30.00	22.00
tblConstructionPhase	NumDays	30.00	23.00
tblConstructionPhase	NumDays	30.00	23.00
tblConstructionPhase	NumDays	30.00	22.00
tblConstructionPhase	NumDays	30.00	21.00
tblConstructionPhase	NumDays	45.00	21.00
tblConstructionPhase	NumDays	45.00	42.00
tblConstructionPhase	NumDays	45.00	21.00
tblConstructionPhase	NumDays	45.00	43.00
tblConstructionPhase	NumDays	45.00	22.00
tblGrading	AcresOfGrading	52.50	112.50
tblGrading	AcresOfGrading	105.00	112.50
tblGrading	AcresOfGrading	52.50	112.50
tblGrading	AcresOfGrading	107.50	112.50
tblGrading	AcresOfGrading	55.00	112.50
tblGrading	MaterialExported	0.00	32,138.00
tblGrading	MaterialExported	0.00	32,138.00
tblGrading	MaterialExported	0.00	32,138.00
tblGrading	MaterialExported	0.00	32,138.00
tblLandUse	LandUseSquareFeet	621,030.00	621,032.00
tblLandUse	LotAcreage	14.26	23.28

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tblLandUse	LotAcreage	18.49	1.70
tblTripsAndVMT	HaulingTripLength	20.00	6.60
tblTripsAndVMT	HaulingTripLength	20.00	6.60
tblTripsAndVMT	HaulingTripLength	20.00	6.60
tblTripsAndVMT	HaulingTripLength	20.00	6.60
tblTripsAndVMT	HaulingTripLength	20.00	6.60
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	8.11	8.00
tblVehicleTrips	WD_TR	44.32	0.00

2.0 Emissions Summary

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2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	lb/day											lb/day					
2021	12.7241	150.9637	96.5997	0.3087	22.1675	4.6419	26.8094	6.4392	4.3079	10.7472							
2022	57.5726	70.1294	61.9724	0.1953	10.3396	2.2232	12.5628	2.4404	2.0827	4.5231							
2023	13.8923	89.5922	71.8981	0.2636	20.1735	2.2749	22.4483	6.1921	2.1148	8.3070							
2024	13.2025	74.3888	72.8925	0.2205	15.7770	2.1638	17.7872	5.4800	2.0180	7.3432							
2025	14.5444	78.1660	71.4151	0.2469	19.2780	1.9100	21.0067	5.9546	1.7805	7.5574							
2026	16.2030	40.3845	50.0788	0.1581	7.1083	1.0512	8.1595	1.9217	0.9829	2.9046							
2027	16.1134	40.0820	49.3125	0.1562	7.1083	1.0490	8.1572	1.9217	0.9808	2.9025							
Maximum	57.5726	150.9637	96.5997	0.3087	22.1675	4.6419	26.8094	6.4392	4.3079	10.7472							

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2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	lb/day											lb/day					
2021	12.7241	150.9637	96.5997	0.3087	22.1675	4.6419	26.8094	6.4392	4.3079	10.7472							
2022	57.5726	70.1294	61.9724	0.1953	10.3396	2.2232	12.5628	2.4404	2.0827	4.5231							
2023	13.8923	89.5922	71.8981	0.2636	20.1735	2.2749	22.4483	6.1921	2.1148	8.3070							
2024	13.2025	74.3888	72.8925	0.2205	15.7770	2.1638	17.7872	5.4800	2.0180	7.3432							
2025	14.5444	78.1660	71.4151	0.2469	19.2780	1.9100	21.0067	5.9546	1.7805	7.5574							
2026	16.2030	40.3845	50.0788	0.1581	7.1083	1.0512	8.1595	1.9217	0.9829	2.9046							
2027	16.1134	40.0820	49.3125	0.1562	7.1083	1.0490	8.1572	1.9217	0.9808	2.9025							
Maximum	57.5726	150.9637	96.5997	0.3087	22.1675	4.6419	26.8094	6.4392	4.3079	10.7472							

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2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Area	15.3660	2.4700e-003	0.2730	2.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004							
Energy	0.2252	2.0469	1.7194	0.0123		0.1556	0.1556		0.1556	0.1556							
Mobile	5.7376	22.2064	63.8844	0.2531	26.3895	0.1748	26.5643	7.0504	0.1624	7.2128							
Total	21.3287	24.2558	65.8768	0.2654	26.3895	0.3313	26.7208	7.0504	0.3189	7.3693							

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Area	15.3660	2.4700e-003	0.2730	2.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004							
Energy	0.2252	2.0469	1.7194	0.0123		0.1556	0.1556		0.1556	0.1556							
Mobile	5.3628	20.5976	55.3819	0.2141	22.0219	0.1498	22.1717	5.8835	0.1391	6.0227							
Total	20.9539	22.6470	57.3743	0.2264	22.0219	0.3064	22.3282	5.8835	0.2957	6.1792							

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	1.76	6.63	12.91	14.69	16.55	7.54	16.44	16.55	7.29	16.15	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - CP5	Demolition	4/1/2021	4/30/2021	5	22	
2	Grading - CP5	Grading	5/3/2021	6/30/2021	5	43	
3	Building Construction	Building Construction	7/1/2021	1/29/2027	5	1457	
4	Demolition - P2	Demolition	9/1/2021	9/30/2021	5	22	
5	Grading - P2	Grading	9/1/2021	9/30/2021	5	22	
6	Architectural Coating - CP5, P2	Architectural Coating	2/1/2022	10/31/2022	5	35	
7	Demolition - CP3	Demolition	7/1/2022	7/29/2022	5	21	
8	Paving - CP5, P2	Paving	9/13/2022	10/31/2022	5	35	
9	Architectural Coating - CP3	Architectural Coating	6/1/2023	1/31/2024	5	175	
10	Grading - CP3	Grading	7/1/2023	7/31/2023	5	21	
11	Paving - CP3	Paving	12/14/2023	1/31/2024	5	35	
12	Demolition - CP6	Demolition	1/1/2024	1/31/2024	5	23	
13	Grading - CP6	Grading	2/1/2024	3/31/2024	5	42	
14	Architectural Coating - CP6	Architectural Coating	12/1/2024	7/31/2025	5	174	
15	Paving - CP6	Paving	6/13/2025	7/31/2025	5	35	
16	Demolition - CP7	Demolition	7/1/2025	7/31/2025	5	23	
17	Grading - CP7	Grading	8/1/2025	8/31/2025	5	21	
18	Architectural Coating - CP7	Architectural Coating	6/1/2026	1/29/2027	5	175	
19	Paving - CP7	Paving	12/14/2026	1/29/2027	5	35	

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Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 1.7**

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 268,772; Non-Residential Outdoor: 89,591; Striped Parking Area: 19,728 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - CP5	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - CP5	Excavators	3	8.00	158	0.38
Demolition - CP5	Rubber Tired Dozers	2	8.00	247	0.40
Grading - CP5	Excavators	2	8.00	158	0.38
Grading - CP5	Graders	1	8.00	187	0.41
Grading - CP5	Rubber Tired Dozers	1	8.00	247	0.40
Grading - CP5	Scrapers	2	8.00	367	0.48
Grading - CP5	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Demolition - P2	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - P2	Excavators	3	8.00	158	0.38
Demolition - P2	Rubber Tired Dozers	2	8.00	247	0.40
Grading - P2	Excavators	2	8.00	158	0.38
Grading - P2	Graders	1	8.00	187	0.41

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Grading - P2	Rubber Tired Dozers	1	8.00	247	0.40
Grading - P2	Scrapers	2	8.00	367	0.48
Grading - P2	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating - CP5, P2	Air Compressors	1	6.00	78	0.48
Demolition - CP3	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - CP3	Excavators	3	8.00	158	0.38
Demolition - CP3	Rubber Tired Dozers	2	8.00	247	0.40
Paving - CP5, P2	Pavers	2	8.00	130	0.42
Paving - CP5, P2	Paving Equipment	2	8.00	132	0.36
Paving - CP5, P2	Rollers	2	8.00	80	0.38
Architectural Coating - CP3	Air Compressors	1	6.00	78	0.48
Grading - CP3	Excavators	2	8.00	158	0.38
Grading - CP3	Graders	1	8.00	187	0.41
Grading - CP3	Rubber Tired Dozers	1	8.00	247	0.40
Grading - CP3	Scrapers	2	8.00	367	0.48
Grading - CP3	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving - CP3	Pavers	2	8.00	130	0.42
Paving - CP3	Paving Equipment	2	8.00	132	0.36
Paving - CP3	Rollers	2	8.00	80	0.38
Demolition - CP6	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - CP6	Excavators	3	8.00	158	0.38
Demolition - CP6	Rubber Tired Dozers	2	8.00	247	0.40
Grading - CP6	Excavators	2	8.00	158	0.38
Grading - CP6	Graders	1	8.00	187	0.41
Grading - CP6	Rubber Tired Dozers	1	8.00	247	0.40
Grading - CP6	Scrapers	2	8.00	367	0.48
Grading - CP6	Tractors/Loaders/Backhoes	2	8.00	97	0.37

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Architectural Coating - CP6	Air Compressors	1	6.00	78	0.48
Paving - CP6	Pavers	2	8.00	130	0.42
Paving - CP6	Paving Equipment	2	8.00	132	0.36
Paving - CP6	Rollers	2	8.00	80	0.38
Demolition - CP7	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - CP7	Excavators	3	8.00	158	0.38
Demolition - CP7	Rubber Tired Dozers	2	8.00	247	0.40
Grading - CP7	Excavators	2	8.00	158	0.38
Grading - CP7	Graders	1	8.00	187	0.41
Grading - CP7	Rubber Tired Dozers	1	8.00	247	0.40
Grading - CP7	Scrapers	2	8.00	367	0.48
Grading - CP7	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating - CP7	Air Compressors	1	6.00	78	0.48
Paving - CP7	Pavers	2	8.00	130	0.42
Paving - CP7	Paving Equipment	2	8.00	132	0.36
Paving - CP7	Rollers	2	8.00	80	0.38

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - CP5	6	15.00	0.00	287.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - CP5	8	20.00	0.00	4,017.00	10.80	7.30	6.60	LD_Mix	HDT_Mix	HHDT
Building Construction	9	546.00	237.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - P2	6	15.00	0.00	287.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - P2	8	20.00	0.00	4,017.00	10.80	7.30	6.60	LD_Mix	HDT_Mix	HHDT
Architectural Coating - CP5, P2	1	109.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - CP3	6	15.00	0.00	287.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving - CP5, P2	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - CP3	1	109.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - CP3	8	20.00	0.00	4,017.00	10.80	7.30	6.60	LD_Mix	HDT_Mix	HHDT
Paving - CP3	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - CP6	6	15.00	0.00	287.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - CP6	8	20.00	0.00	4,017.00	10.80	7.30	6.60	LD_Mix	HDT_Mix	HHDT
Architectural Coating - CP6	1	109.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving - CP6	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - CP7	6	15.00	0.00	287.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading - CP7	8	20.00	0.00	4,017.00	10.80	7.30	6.60	LD_Mix	HDT_Mix	HHDT
Architectural Coating - CP7	1	109.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving - CP7	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Demolition - CP5 - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.8565	0.0000	2.8565	0.4326	0.0000	0.4326							
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411							
Total	3.1651	31.4407	21.5650	0.0388	2.8565	1.5513	4.4078	0.4326	1.4411	1.8737							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0968	3.3440	0.8181	0.0101	0.2280	0.0102	0.2382	0.0625	9.7600e-003	0.0722							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335							
Total	0.1487	3.3777	1.2159	0.0113	0.3512	0.0111	0.3622	0.0952	0.0105	0.1057							

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3.2 Demolition - CP5 - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.8565	0.0000	2.8565	0.4326	0.0000	0.4326							
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411							
Total	3.1651	31.4407	21.5650	0.0388	2.8565	1.5513	4.4078	0.4326	1.4411	1.8737							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0968	3.3440	0.8181	0.0101	0.2280	0.0102	0.2382	0.0625	9.7600e-003	0.0722							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335							
Total	0.1487	3.3777	1.2159	0.0113	0.3512	0.0111	0.3622	0.0952	0.0105	0.1057							

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3.3 Grading - CP5 - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					8.9017	0.0000	8.9017	3.6257	0.0000	3.6257							
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265							
Total	4.1912	46.3998	30.8785	0.0620	8.9017	1.9853	10.8870	3.6257	1.8265	5.4522							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.3294	13.7668	2.6617	0.0303	0.5400	0.0270	0.5670	0.1481	0.0258	0.1739							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0692	0.0449	0.5305	1.6300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446							
Total	0.3986	13.8118	3.1922	0.0319	0.7043	0.0281	0.7324	0.1917	0.0269	0.2186							

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3.3 Grading - CP5 - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					8.9017	0.0000	8.9017	3.6257	0.0000	3.6257							
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265							
Total	4.1912	46.3998	30.8785	0.0620	8.9017	1.9853	10.8870	3.6257	1.8265	5.4522							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.3294	13.7668	2.6617	0.0303	0.5400	0.0270	0.5670	0.1481	0.0258	0.1739							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0692	0.0449	0.5305	1.6300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446							
Total	0.3986	13.8118	3.1922	0.0319	0.7043	0.0281	0.7324	0.1917	0.0269	0.2186							

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3.4 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013							
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.7166	24.1336	6.1502	0.0642	1.6044	0.0507	1.6551	0.4619	0.0485	0.5103							
Worker	1.8886	1.2270	14.4820	0.0446	4.4853	0.0310	4.5163	1.1897	0.0285	1.2182							
Total	2.6052	25.3606	20.6322	0.1088	6.0897	0.0817	6.1713	1.6516	0.0770	1.7286							

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3.4 Building Construction - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013							
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.7166	24.1336	6.1502	0.0642	1.6044	0.0507	1.6551	0.4619	0.0485	0.5103							
Worker	1.8886	1.2270	14.4820	0.0446	4.4853	0.0310	4.5163	1.1897	0.0285	1.2182							
Total	2.6052	25.3606	20.6322	0.1088	6.0897	0.0817	6.1713	1.6516	0.0770	1.7286							

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3.4 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612							
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.6665	22.8072	5.8248	0.0635	1.6044	0.0436	1.6480	0.4619	0.0417	0.5036							
Worker	1.7854	1.1189	13.4665	0.0430	4.4853	0.0303	4.5156	1.1897	0.0279	1.2176							
Total	2.4519	23.9260	19.2913	0.1065	6.0897	0.0739	6.1636	1.6516	0.0696	1.7212							

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3.4 Building Construction - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612							
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.6665	22.8072	5.8248	0.0635	1.6044	0.0436	1.6480	0.4619	0.0417	0.5036							
Worker	1.7854	1.1189	13.4665	0.0430	4.4853	0.0303	4.5156	1.1897	0.0279	1.2176							
Total	2.4519	23.9260	19.2913	0.1065	6.0897	0.0739	6.1636	1.6516	0.0696	1.7212							

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3.4 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269			0.6997	0.6997		0.6584	0.6584						
Total	1.5728	14.3849	16.2440	0.0269			0.6997	0.6997		0.6584	0.6584						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.5139	17.9549	5.3356	0.0617	1.6044	0.0212	1.6255	0.4619	0.0202	0.4821							
Worker	1.6905	1.0218	12.5093	0.0413	4.4853	0.0297	4.5150	1.1897	0.0274	1.2171							
Total	2.2044	18.9766	17.8450	0.1031	6.0896	0.0509	6.1405	1.6516	0.0476	1.6991							

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3.4 Building Construction - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269			0.6997	0.6997		0.6584	0.6584						
Total	1.5728	14.3849	16.2440	0.0269			0.6997	0.6997		0.6584	0.6584						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.5139	17.9549	5.3356	0.0617	1.6044	0.0212	1.6255	0.4619	0.0202	0.4821							
Worker	1.6905	1.0218	12.5093	0.0413	4.4853	0.0297	4.5150	1.1897	0.0274	1.2171							
Total	2.2044	18.9766	17.8450	0.1031	6.0896	0.0509	6.1405	1.6516	0.0476	1.6991							

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3.4 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769							
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.4957	17.7046	5.1693	0.0613	1.6044	0.0206	1.6250	0.4619	0.0197	0.4816							
Worker	1.6057	0.9374	11.6958	0.0397	4.4853	0.0292	4.5144	1.1897	0.0269	1.2166							
Total	2.1014	18.6419	16.8651	0.1009	6.0896	0.0498	6.1395	1.6516	0.0466	1.6981							

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3.4 Building Construction - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769							
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.4957	17.7046	5.1693	0.0613	1.6044	0.0206	1.6250	0.4619	0.0197	0.4816							
Worker	1.6057	0.9374	11.6958	0.0397	4.4853	0.0292	4.5144	1.1897	0.0269	1.2166							
Total	2.1014	18.6419	16.8651	0.1009	6.0896	0.0498	6.1395	1.6516	0.0466	1.6981							

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3.4 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.4812	17.4488	5.0683	0.0608	1.6044	0.0201	1.6245	0.4619	0.0192	0.4810							
Worker	1.5320	0.8643	10.9251	0.0381	4.4853	0.0287	4.5140	1.1897	0.0264	1.2161							
Total	2.0132	18.3131	15.9933	0.0989	6.0896	0.0488	6.1384	1.6516	0.0456	1.6972							

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3.4 Building Construction - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.4812	17.4488	5.0683	0.0608	1.6044	0.0201	1.6245	0.4619	0.0192	0.4810							
Worker	1.5320	0.8643	10.9251	0.0381	4.4853	0.0287	4.5140	1.1897	0.0264	1.2161							
Total	2.0132	18.3131	15.9933	0.0989	6.0896	0.0488	6.1384	1.6516	0.0456	1.6972							

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3.4 Building Construction - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.4690	17.2011	4.9987	0.0604	1.6044	0.0195	1.6239	0.4619	0.0187	0.4805							
Worker	1.4672	0.8040	10.2749	0.0367	4.4853	0.0278	4.5131	1.1897	0.0256	1.2153							
Total	1.9362	18.0051	15.2736	0.0970	6.0896	0.0473	6.1370	1.6516	0.0443	1.6958							

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3.4 Building Construction - 2026**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.4690	17.2011	4.9987	0.0604	1.6044	0.0195	1.6239	0.4619	0.0187	0.4805							
Worker	1.4672	0.8040	10.2749	0.0367	4.4853	0.0278	4.5131	1.1897	0.0256	1.2153							
Total	1.9362	18.0051	15.2736	0.0970	6.0896	0.0473	6.1370	1.6516	0.0443	1.6958							

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3.4 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.4587	16.9641	4.9393	0.0600	1.6044	0.0191	1.6235	0.4619	0.0182	0.4801							
Worker	1.4026	0.7506	9.6987	0.0355	4.4853	0.0263	4.5116	1.1897	0.0242	1.2139							
Total	1.8613	17.7147	14.6381	0.0954	6.0896	0.0454	6.1350	1.6516	0.0425	1.6940							

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3.4 Building Construction - 2027**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.4587	16.9641	4.9393	0.0600	1.6044	0.0191	1.6235	0.4619	0.0182	0.4801							
Worker	1.4026	0.7506	9.6987	0.0355	4.4853	0.0263	4.5116	1.1897	0.0242	1.2139							
Total	1.8613	17.7147	14.6381	0.0954	6.0896	0.0454	6.1350	1.6516	0.0425	1.6940							

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3.5 Demolition - P2 - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.8565	0.0000	2.8565	0.4326	0.0000	0.4326							
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411							
Total	3.1651	31.4407	21.5650	0.0388	2.8565	1.5513	4.4079	0.4326	1.4411	1.8737							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0968	3.3440	0.8181	0.0101	0.2280	0.0102	0.2382	0.0625	9.7600e-003	0.0722							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335							
Total	0.1487	3.3777	1.2159	0.0113	0.3512	0.0111	0.3622	0.0952	0.0105	0.1057							

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3.5 Demolition - P2 - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.8565	0.0000	2.8565	0.4326	0.0000	0.4326							
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411							
Total	3.1651	31.4407	21.5650	0.0388	2.8565	1.5513	4.4079	0.4326	1.4411	1.8737							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0968	3.3440	0.8181	0.0101	0.2280	0.0102	0.2382	0.0625	9.7600e-003	0.0722							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335							
Total	0.1487	3.3777	1.2159	0.0113	0.3512	0.0111	0.3622	0.0952	0.0105	0.1057							

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3.6 Grading - P2 - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					11.6504	0.0000	11.6504	3.9269	0.0000	3.9269							
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265							
Total	4.1912	46.3998	30.8785	0.0620	11.6504	1.9853	13.6357	3.9269	1.8265	5.7534							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.6438	26.9079	5.2024	0.0593	1.0555	0.0527	1.1082	0.2895	0.0505	0.3400							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0692	0.0449	0.5305	1.6300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446							
Total	0.7130	26.9528	5.7329	0.0609	1.2198	0.0539	1.2736	0.3331	0.0515	0.3846							

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3.6 Grading - P2 - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					11.6504	0.0000	11.6504	3.9269	0.0000	3.9269							
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265							
Total	4.1912	46.3998	30.8785	0.0620	11.6504	1.9853	13.6357	3.9269	1.8265	5.7534							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.6438	26.9079	5.2024	0.0593	1.0555	0.0527	1.1082	0.2895	0.0505	0.3400							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0692	0.0449	0.5305	1.6300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446							
Total	0.7130	26.9528	5.7329	0.0609	1.2198	0.0539	1.2736	0.3331	0.0515	0.3846							

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3.7 Architectural Coating - CP5, P2 - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.0701						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817					
Total	50.2746	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817					

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3564	0.2234	2.6884	8.5800e-003	0.8954	6.0500e-003	0.9015	0.2375	5.5700e-003	0.2431						
Total	0.3564	0.2234	2.6884	8.5800e-003	0.8954	6.0500e-003	0.9015	0.2375	5.5700e-003	0.2431						

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3.7 Architectural Coating - CP5, P2 - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	50.0701						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817					
Total	50.2746	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817					

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3564	0.2234	2.6884	8.5800e-003	0.8954	6.0500e-003	0.9015	0.2375	5.5700e-003	0.2431						
Total	0.3564	0.2234	2.6884	8.5800e-003	0.8954	6.0500e-003	0.9015	0.2375	5.5700e-003	0.2431						

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3.8 Demolition - CP3 - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.9925	0.0000	2.9925	0.4532	0.0000	0.4532							
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553							
Total	2.6392	25.7194	20.5941	0.0388	2.9925	1.2427	4.2352	0.4532	1.1553	1.6084							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0953	3.2058	0.8518	0.0104	0.2388	9.0500e-003	0.2479	0.0655	8.6600e-003	0.0741							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0491	0.0307	0.3700	1.1800e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335							
Total	0.1443	3.2365	1.2217	0.0116	0.3620	9.8800e-003	0.3719	0.0981	9.4300e-003	0.1076							

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3.8 Demolition - CP3 - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.9925	0.0000	2.9925	0.4532	0.0000	0.4532							
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553							
Total	2.6392	25.7194	20.5941	0.0388	2.9925	1.2427	4.2352	0.4532	1.1553	1.6084							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0953	3.2058	0.8518	0.0104	0.2388	9.0500e-003	0.2479	0.0655	8.6600e-003	0.0741							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0491	0.0307	0.3700	1.1800e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335							
Total	0.1443	3.2365	1.2217	0.0116	0.3620	9.8800e-003	0.3719	0.0981	9.4300e-003	0.1076							

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3.9 Paving - CP5, P2 - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228			0.5679	0.5679		0.5225	0.5225						
Paving	0.0000						0.0000	0.0000		0.0000	0.0000						
Total	1.1028	11.1249	14.5805	0.0228			0.5679	0.5679		0.5225	0.5225						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0491	0.0307	0.3700	1.1800e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335							
Total	0.0491	0.0307	0.3700	1.1800e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335							

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3.9 Paving - CP5, P2 - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228			0.5679	0.5679		0.5225	0.5225						
Paving	0.0000						0.0000	0.0000		0.0000	0.0000						
Total	1.1028	11.1249	14.5805	0.0228			0.5679	0.5679		0.5225	0.5225						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0491	0.0307	0.3700	1.1800e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335							
Total	0.0491	0.0307	0.3700	1.1800e-003	0.1232	8.3000e-004	0.1241	0.0327	7.7000e-004	0.0335							

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3.10 Architectural Coating - CP3 - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.7470						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1917	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708					
Total	5.9386	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708					

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3375	0.2040	2.4973	8.2500e-003	0.8954	5.9300e-003	0.9013	0.2375	5.4600e-003	0.2430						
Total	0.3375	0.2040	2.4973	8.2500e-003	0.8954	5.9300e-003	0.9013	0.2375	5.4600e-003	0.2430						

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3.10 Architectural Coating - CP3 - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.7470						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1917	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708					
Total	5.9386	1.3030	1.8111	2.9700e-003			0.0708	0.0708		0.0708	0.0708					

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3375	0.2040	2.4973	8.2500e-003	0.8954	5.9300e-003	0.9013	0.2375	5.4600e-003	0.2430						
Total	0.3375	0.2040	2.4973	8.2500e-003	0.8954	5.9300e-003	0.9013	0.2375	5.4600e-003	0.2430						

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3.10 Architectural Coating - CP3 - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.7470						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609					
Total	5.9277	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609					

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3206	0.1871	2.3349	7.9200e-003	0.8954	5.8200e-003	0.9012	0.2375	5.3600e-003	0.2429						
Total	0.3206	0.1871	2.3349	7.9200e-003	0.8954	5.8200e-003	0.9012	0.2375	5.3600e-003	0.2429						

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3.10 Architectural Coating - CP3 - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.7470						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609					
Total	5.9277	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609					

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3206	0.1871	2.3349	7.9200e-003	0.8954	5.8200e-003	0.9012	0.2375	5.3600e-003	0.2429						
Total	0.3206	0.1871	2.3349	7.9200e-003	0.8954	5.8200e-003	0.9012	0.2375	5.3600e-003	0.2429						

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3.11 Grading - CP3 - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					11.9184	0.0000	11.9184	3.9562	0.0000	3.9562							
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105							
Total	3.3217	34.5156	28.0512	0.0621	11.9184	1.4245	13.3429	3.9562	1.3105	5.2668							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.4554	20.1707	4.9913	0.0588	1.1057	0.0219	1.1277	0.3033	0.0210	0.3243							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0619	0.0374	0.4582	1.5100e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446							
Total	0.5173	20.2081	5.4496	0.0603	1.2700	0.0230	1.2930	0.3469	0.0220	0.3688							

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3.11 Grading - CP3 - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					11.9184	0.0000	11.9184	3.9562	0.0000	3.9562							
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105							
Total	3.3217	34.5156	28.0512	0.0621	11.9184	1.4245	13.3429	3.9562	1.3105	5.2668							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.4554	20.1707	4.9913	0.0588	1.1057	0.0219	1.1277	0.3033	0.0210	0.3243							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0619	0.0374	0.4582	1.5100e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446							
Total	0.5173	20.2081	5.4496	0.0603	1.2700	0.0230	1.2930	0.3469	0.0220	0.3688							

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3.12 Paving - CP3 - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0464	0.0281	0.3437	1.1400e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334						
Total	0.0464	0.0281	0.3437	1.1400e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334						

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3.12 Paving - CP3 - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0464	0.0281	0.3437	1.1400e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334						
Total	0.0464	0.0281	0.3437	1.1400e-003	0.1232	8.2000e-004	0.1240	0.0327	7.5000e-004	0.0334						

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3.12 Paving - CP3 - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0441	0.0258	0.3213	1.0900e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334						
Total	0.0441	0.0258	0.3213	1.0900e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334						

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3.12 Paving - CP3 - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0441	0.0258	0.3213	1.0900e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334						
Total	0.0441	0.0258	0.3213	1.0900e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334						

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3.13 Demolition - CP6 - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.7323	0.0000	2.7323	0.4138	0.0000	0.4138							
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922							
Total	2.2437	20.8781	19.7073	0.0388	2.7323	0.9602	3.6925	0.4138	0.8922	1.3060							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0612	1.9673	0.7399	9.0300e-003	0.2180	3.6500e-003	0.2217	0.0598	3.4900e-003	0.0633							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0441	0.0258	0.3213	1.0900e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334							
Total	0.1053	1.9931	1.0613	0.0101	0.3413	4.4500e-003	0.3457	0.0924	4.2300e-003	0.0967							

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3.13 Demolition - CP6 - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.7323	0.0000	2.7323	0.4138	0.0000	0.4138							
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922							
Total	2.2437	20.8781	19.7073	0.0388	2.7323	0.9602	3.6925	0.4138	0.8922	1.3060							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0612	1.9673	0.7399	9.0300e-003	0.2180	3.6500e-003	0.2217	0.0598	3.4900e-003	0.0633							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0441	0.0258	0.3213	1.0900e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334							
Total	0.1053	1.9931	1.0613	0.0101	0.3413	4.4500e-003	0.3457	0.0924	4.2300e-003	0.0967							

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3.14 Grading - CP6 - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					8.9702	0.0000	8.9702	3.6332	0.0000	3.6332							
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286							
Total	3.2181	32.3770	27.7228	0.0621	8.9702	1.3354	10.3056	3.6332	1.2286	4.8618							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.2226	9.8918	2.4985	0.0291	0.5529	0.0106	0.5635	0.1516	0.0101	0.1618							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0588	0.0343	0.4284	1.4500e-003	0.1643	1.0700e-003	0.1654	0.0436	9.8000e-004	0.0446							
Total	0.2814	9.9261	2.9269	0.0306	0.7172	0.0117	0.7288	0.1952	0.0111	0.2063							

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3.14 Grading - CP6 - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					8.9702	0.0000	8.9702	3.6332	0.0000	3.6332							
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286							
Total	3.2181	32.3770	27.7228	0.0621	8.9702	1.3354	10.3056	3.6332	1.2286	4.8618							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.2226	9.8918	2.4985	0.0291	0.5529	0.0106	0.5635	0.1516	0.0101	0.1618							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0588	0.0343	0.4284	1.4500e-003	0.1643	1.0700e-003	0.1654	0.0436	9.8000e-004	0.0446							
Total	0.2814	9.9261	2.9269	0.0306	0.7172	0.0117	0.7288	0.1952	0.0111	0.2063							

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3.15 Architectural Coating - CP6 - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.5349						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609					
Total	7.7157	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609					

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3206	0.1871	2.3349	7.9200e-003	0.8954	5.8200e-003	0.9012	0.2375	5.3600e-003	0.2429						
Total	0.3206	0.1871	2.3349	7.9200e-003	0.8954	5.8200e-003	0.9012	0.2375	5.3600e-003	0.2429						

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3.15 Architectural Coating - CP6 - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.5349						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1808	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609					
Total	7.7157	1.2188	1.8101	2.9700e-003			0.0609	0.0609		0.0609	0.0609					

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3206	0.1871	2.3349	7.9200e-003	0.8954	5.8200e-003	0.9012	0.2375	5.3600e-003	0.2429						
Total	0.3206	0.1871	2.3349	7.9200e-003	0.8954	5.8200e-003	0.9012	0.2375	5.3600e-003	0.2429						

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3.15 Architectural Coating - CP6 - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.5349						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					
Total	7.7058	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3058	0.1726	2.1810	7.6000e-003	0.8954	5.7300e-003	0.9011	0.2375	5.2800e-003	0.2428						
Total	0.3058	0.1726	2.1810	7.6000e-003	0.8954	5.7300e-003	0.9011	0.2375	5.2800e-003	0.2428						

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3.15 Architectural Coating - CP6 - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.5349						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					
Total	7.7058	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3058	0.1726	2.1810	7.6000e-003	0.8954	5.7300e-003	0.9011	0.2375	5.2800e-003	0.2428						
Total	0.3058	0.1726	2.1810	7.6000e-003	0.8954	5.7300e-003	0.9011	0.2375	5.2800e-003	0.2428						

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3.16 Paving - CP6 - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0421	0.0238	0.3001	1.0500e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334						
Total	0.0421	0.0238	0.3001	1.0500e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334						

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Summer

3.16 Paving - CP6 - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228			0.4185	0.4185		0.3850	0.3850						
Paving	0.0000						0.0000	0.0000		0.0000	0.0000						
Total	0.9152	8.5816	14.5780	0.0228			0.4185	0.4185		0.3850	0.3850						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0421	0.0238	0.3001	1.0500e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334							
Total	0.0421	0.0238	0.3001	1.0500e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334							

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3.17 Demolition - CP7 - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.7323	0.0000	2.7323	0.4138	0.0000	0.4138							
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920							
Total	2.0926	19.1966	19.4184	0.0388	2.7323	0.8528	3.5851	0.4138	0.7920	1.2057							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0603	1.9171	0.7503	8.9500e-003	0.2180	3.5600e-003	0.2216	0.0598	3.4000e-003	0.0632							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0421	0.0238	0.3001	1.0500e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334							
Total	0.1024	1.9408	1.0504	0.0100	0.3413	4.3500e-003	0.3456	0.0924	4.1300e-003	0.0966							

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3.17 Demolition - CP7 - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					2.7323	0.0000	2.7323	0.4138	0.0000	0.4138							
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920							
Total	2.0926	19.1966	19.4184	0.0388	2.7323	0.8528	3.5851	0.4138	0.7920	1.2057							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0603	1.9171	0.7503	8.9500e-003	0.2180	3.5600e-003	0.2216	0.0598	3.4000e-003	0.0632							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0421	0.0238	0.3001	1.0500e-003	0.1232	7.9000e-004	0.1240	0.0327	7.3000e-004	0.0334							
Total	0.1024	1.9408	1.0504	0.0100	0.3413	4.3500e-003	0.3456	0.0924	4.1300e-003	0.0966							

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3.18 Grading - CP7 - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					11.9184	0.0000	11.9184	3.9562	0.0000	3.9562							
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404							
Total	2.9012	27.9429	26.3311	0.0621	11.9184	1.1309	13.0493	3.9562	1.0404	4.9967							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.4366	19.4087	5.0436	0.0576	1.1057	0.0204	1.1261	0.3033	0.0195	0.3228							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0561	0.0317	0.4002	1.3900e-003	0.1643	1.0500e-003	0.1654	0.0436	9.7000e-004	0.0446							
Total	0.4927	19.4403	5.4438	0.0590	1.2700	0.0214	1.2914	0.3469	0.0205	0.3673							

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3.18 Grading - CP7 - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					11.9184	0.0000	11.9184	3.9562	0.0000	3.9562							
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404							
Total	2.9012	27.9429	26.3311	0.0621	11.9184	1.1309	13.0493	3.9562	1.0404	4.9967							

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.4366	19.4087	5.0436	0.0576	1.1057	0.0204	1.1261	0.3033	0.0195	0.3228							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0561	0.0317	0.4002	1.3900e-003	0.1643	1.0500e-003	0.1654	0.0436	9.7000e-004	0.0446							
Total	0.4927	19.4403	5.4438	0.0590	1.2700	0.0214	1.2914	0.3469	0.0205	0.3673							

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3.19 Architectural Coating - CP7 - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.4802						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					
Total	11.6510	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.2929	0.1605	2.0512	7.3200e-003	0.8954	5.5500e-003	0.9010	0.2375	5.1100e-003	0.2426						
Total	0.2929	0.1605	2.0512	7.3200e-003	0.8954	5.5500e-003	0.9010	0.2375	5.1100e-003	0.2426						

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3.19 Architectural Coating - CP7 - 2026**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.4802						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					
Total	11.6510	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.2929	0.1605	2.0512	7.3200e-003	0.8954	5.5500e-003	0.9010	0.2375	5.1100e-003	0.2426						
Total	0.2929	0.1605	2.0512	7.3200e-003	0.8954	5.5500e-003	0.9010	0.2375	5.1100e-003	0.2426						

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3.19 Architectural Coating - CP7 - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.4802						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					
Total	11.6510	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.2800	0.1498	1.9362	7.0800e-003	0.8954	5.2500e-003	0.9007	0.2375	4.8300e-003	0.2423						
Total	0.2800	0.1498	1.9362	7.0800e-003	0.8954	5.2500e-003	0.9007	0.2375	4.8300e-003	0.2423						

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3.19 Architectural Coating - CP7 - 2027**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.4802						0.0000	0.0000		0.0000	0.0000					
Off-Road	0.1709	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					
Total	11.6510	1.1455	1.8091	2.9700e-003			0.0515	0.0515		0.0515	0.0515					

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.2800	0.1498	1.9362	7.0800e-003	0.8954	5.2500e-003	0.9007	0.2375	4.8300e-003	0.2423						
Total	0.2800	0.1498	1.9362	7.0800e-003	0.8954	5.2500e-003	0.9007	0.2375	4.8300e-003	0.2423						

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3.20 Paving - CP7 - 2026**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850						
Paving	0.0000					0.0000	0.0000		0.0000	0.0000						
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0403	0.0221	0.2823	1.0100e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334						
Total	0.0403	0.0221	0.2823	1.0100e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334						

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3.20 Paving - CP7 - 2026**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228			0.4185	0.4185		0.3850	0.3850						
Paving	0.0000						0.0000	0.0000		0.0000	0.0000						
Total	0.9152	8.5816	14.5780	0.0228			0.4185	0.4185		0.3850	0.3850						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0403	0.0221	0.2823	1.0100e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334							
Total	0.0403	0.0221	0.2823	1.0100e-003	0.1232	7.6000e-004	0.1240	0.0327	7.0000e-004	0.0334							

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3.20 Paving - CP7 - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	0.9152	8.5816	14.5780	0.0228			0.4185	0.4185		0.3850	0.3850						
Paving	0.0000						0.0000	0.0000		0.0000	0.0000						
Total	0.9152	8.5816	14.5780	0.0228			0.4185	0.4185		0.3850	0.3850						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0385	0.0206	0.2665	9.7000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.7000e-004	0.0334						
Total	0.0385	0.0206	0.2665	9.7000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.7000e-004	0.0334						

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3.20 Paving - CP7 - 2027**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228			0.4185	0.4185		0.3850	0.3850						
Paving	0.0000						0.0000	0.0000		0.0000	0.0000						
Total	0.9152	8.5816	14.5780	0.0228			0.4185	0.4185		0.3850	0.3850						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	0.0385	0.0206	0.2665	9.7000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.7000e-004	0.0334							
Total	0.0385	0.0206	0.2665	9.7000e-004	0.1232	7.2000e-004	0.1239	0.0327	6.7000e-004	0.0334							

4.0 Operational Detail - Mobile

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Summer

4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Mitigated	5.3628	20.5976	55.3819	0.2141	22.0219	0.1498	22.1717	5.8835	0.1391	6.0227							
Unmitigated	5.7376	22.2064	63.8844	0.2531	26.3895	0.1748	26.5643	7.0504	0.1624	7.2128							

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking Structure	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Research & Development	4,968.24	1,179.96	689.34	9,563,303	7,980,528
Strip Mall	0.00	0.00	0.00		
Total	4,968.24	1,179.96	689.34	9,563,303	7,980,528

4.3 Trip Type Information

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking Structure	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Research & Development	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking Structure	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
High Turnover (Sit Down Restaurant)	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
Research & Development	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837
Strip Mall	0.614571	0.037691	0.177673	0.098627	0.012633	0.005296	0.017422	0.025155	0.001929	0.001711	0.005676	0.000778	0.000837

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
NaturalGas Mitigated	0.2252	2.0469	1.7194	0.0123		0.1556	0.1556		0.1556	0.1556							
NaturalGas Unmitigated	0.2252	2.0469	1.7194	0.0123		0.1556	0.1556		0.1556	0.1556							

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day											lb/day					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000							
High Turnover (Sit Down Restaurant)	1194.38	0.0129	0.1171	0.0984	7.0000e-004		8.9000e-003	8.9000e-003		8.9000e-003	8.9000e-003							
Research & Development	19668.8	0.2121	1.9283	1.6198	0.0116		0.1466	0.1466		0.1466	0.1466							
Strip Mall	15.274	1.6000e-004	1.5000e-003	1.2600e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004							
Total		0.2252	2.0469	1.7194	0.0123		0.1556	0.1556		0.1556	0.1556							

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5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
High Turnover (Sit Down Restaurant)	1.19438	0.0129	0.1171	0.0984	7.0000e-004		8.9000e-003	8.9000e-003		8.9000e-003	8.9000e-003						
Research & Development	19.6688	0.2121	1.9283	1.6198	0.0116		0.1466	0.1466		0.1466	0.1466						
Strip Mall	0.015274	1.6000e-004	1.5000e-003	1.2600e-003	1.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004						
Total		0.2252	2.0469	1.7194	0.0123		0.1556	0.1556		0.1556	0.1556						

6.0 Area Detail**6.1 Mitigation Measures Area**

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Mitigated	15.3660	2.4700e-003	0.2730	2.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004							
Unmitigated	15.3660	2.4700e-003	0.2730	2.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004							

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.6526					0.0000	0.0000		0.0000	0.0000						
Consumer Products	13.6882					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.0251	2.4700e-003	0.2730	2.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004						
Total	15.3660	2.4700e-003	0.2730	2.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004						

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6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.6526						0.0000	0.0000		0.0000	0.0000					
Consumer Products	13.6882						0.0000	0.0000		0.0000	0.0000					
Landscaping	0.0251	2.4700e-003	0.2730	2.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004						
Total	15.3660	2.4700e-003	0.2730	2.0000e-005		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004						

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Campus Point Master Plan - Proposed Project - San Diego County APCD Air District, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Summer

Campus Point Master Plan - Existing Uses to Be Demolished
San Diego County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	315.28	1000sqft	7.24	315,276.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2023
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Vehicle Trips - Based on trip gen memo from Urban Systems Associates

Area Coating - SDAPCD Rule 67.0.1

Mobile Land Use Mitigation - Location of project site in Central Business District

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	100
tblLandUse	LandUseSquareFeet	315,280.00	315,276.00
tblVehicleTrips	WD_TR	8.11	8.00

2.0 Emissions Summary

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	lb/day											lb/day					
2020	4.1425	42.4618	22.1784	0.0401	18.2141	2.1985	20.4126	9.9699	2.0226	11.9925	0.0000	3,874.1170	3,874.1170	1.1964	0.0000	3,900.6600	
2021	365.6142	24.7704	20.6035	0.0493	6.6756	1.1608	7.8363	3.4002	1.0679	4.4681	0.0000	4,890.9793	4,890.9793	0.9323	0.0000	4,909.6729	
2022	365.5960	1.4495	2.3069	4.5400e-003	0.1643	0.0828	0.2471	0.0436	0.0827	0.1263	0.0000	438.3600	438.3600	0.0226	0.0000	438.9246	
Maximum	365.6142	42.4618	22.1784	0.0493	18.2141	2.1985	20.4126	9.9699	2.0226	11.9925	0.0000	4,890.9793	4,890.9793	1.1964	0.0000	4,909.6729	

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	lb/day											lb/day					
2020	4.1425	42.4618	22.1784	0.0401	18.2141	2.1985	20.4126	9.9699	2.0226	11.9925	0.0000	3,874.1170	3,874.1170	1.1964	0.0000	3,900.6600	
2021	365.6142	24.7704	20.6035	0.0493	6.6756	1.1608	7.8363	3.4002	1.0679	4.4681	0.0000	4,890.9793	4,890.9793	0.9323	0.0000	4,909.6729	
2022	365.5960	1.4495	2.3069	4.5400e-003	0.1643	0.0828	0.2471	0.0436	0.0827	0.1263	0.0000	438.3600	438.3600	0.0226	0.0000	438.9246	
Maximum	365.6142	42.4618	22.1784	0.0493	18.2141	2.1985	20.4126	9.9699	2.0226	11.9925	0.0000	4,890.9793	4,890.9793	1.1964	0.0000	4,909.6729	

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Summer

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Area	7.5506	2.9000e-004	0.0322	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0690	0.0690	1.8000e-004			0.0735	
Energy	0.1077	0.9789	0.8223	5.8700e-003		0.0744	0.0744		0.0744	0.0744	1,174.7270	1,174.7270	0.0225	0.0215	1,181.7078		
Mobile	3.6703	13.2864	41.4770	0.1499	13.4028	0.1117	13.5145	3.5818	0.1040	3.6858	15,258.4607	15,258.4607	0.7491			15,277.1882	
Total	11.3286	14.2656	42.3315	0.1558	13.4028	0.1862	13.5890	3.5818	0.1785	3.7603	16,433.2567	16,433.2567	0.7718	0.0215	16,458.9696		

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Area	7.5506	2.9000e-004	0.0322	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0690	0.0690	1.8000e-004			0.0735	
Energy	0.1077	0.9789	0.8223	5.8700e-003		0.0744	0.0744		0.0744	0.0744	1,174.7270	1,174.7270	0.0225	0.0215	1,181.7078		
Mobile	3.3921	11.9688	34.9116	0.1221	10.7446	0.0923	10.8368	2.8714	0.0859	2.9573	12,433.4342	12,433.4342	0.6281			12,449.1366	
Total	11.0504	12.9481	35.7661	0.1280	10.7446	0.1668	10.9113	2.8714	0.1604	3.0318	13,608.2303	13,608.2303	0.6508	0.0215	13,630.9180		

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	2.46	9.24	15.51	17.85	19.83	10.42	19.70	19.83	10.13	19.37	0.00	17.19	17.19	15.68	0.00	17.18

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/27/2020	11/23/2020	5	20	
2	Site Preparation	Site Preparation	11/24/2020	12/7/2020	5	10	
3	Grading	Grading	12/8/2020	1/4/2021	5	20	
4	Building Construction	Building Construction	1/5/2021	11/22/2021	5	230	
5	Paving	Paving	11/23/2021	12/20/2021	5	20	
6	Architectural Coating	Architectural Coating	12/21/2021	1/17/2022	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 472,914; Non-Residential Outdoor: 157,638; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	101.00	52.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction**3.2 Demolition - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	3,747.704 9	3,747.704 9	1.0580		3,774.153 6	
Total	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	3,747.704 9	3,747.704 9	1.0580		3,774.153 6	

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Summer

3.2 Demolition - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0550	0.0371	0.4252	1.2700e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		126.4121	126.4121	3.7700e-003		126.5064	
Total	0.0550	0.0371	0.4252	1.2700e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		126.4121	126.4121	3.7700e-003		126.5064	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536	
Total	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536	

Campus Point Master Plan - Existing Uses to Be Demolished - San Diego County APCD Air District, Summer

3.2 Demolition - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0550	0.0371	0.4252	1.2700e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		126.4121	126.4121	3.7700e-003		126.5064	
Total	0.0550	0.0371	0.4252	1.2700e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335		126.4121	126.4121	3.7700e-003		126.5064	

3.3 Site Preparation - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307		0.0000				0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

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3.3 Site Preparation - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0661	0.0445	0.5102	1.5200e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402	151.6945	151.6945	4.5300e-003			151.8077
Total	0.0661	0.0445	0.5102	1.5200e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402	151.6945	151.6945	4.5300e-003			151.8077

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307	0.0000	0.0000	3,685.1016	3,685.1016	1.1918	0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

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3.3 Site Preparation - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0661	0.0445	0.5102	1.5200e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402			151.6945	151.6945	4.5300e-003	151.8077	
Total	0.0661	0.0445	0.5102	1.5200e-003	0.1479	1.0400e-003	0.1489	0.0392	9.6000e-004	0.0402			151.6945	151.6945	4.5300e-003	151.8077	

3.4 Grading - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716			2,872.4851	2,872.4851	0.9290	2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.5523	1.2734	7.8258	3.3675	1.1716	4.5390			2,872.4851	2,872.4851	0.9290	2,895.7106

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3.4 Grading - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0550	0.0371	0.4252	1.2700e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335			126.4121	126.4121	3.7700e-003	126.5064	
Total	0.0550	0.0371	0.4252	1.2700e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335			126.4121	126.4121	3.7700e-003	126.5064	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000	
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106	
Total	2.4288	26.3859	16.0530	0.0297	6.5523	1.2734	7.8258	3.3675	1.1716	4.5390	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106	

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3.4 Grading - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0550	0.0371	0.4252	1.2700e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335			126.4121	126.4121	3.7700e-003	126.5064	
Total	0.0550	0.0371	0.4252	1.2700e-003	0.1232	8.6000e-004	0.1241	0.0327	8.0000e-004	0.0335			126.4121	126.4121	3.7700e-003	126.5064	

3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671			2,871.9285	2,871.9285	0.9288	2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346			2,871.9285	2,871.9285	0.9288	2,895.1495

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3.4 Grading - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		122.1661	122.1661	3.4900e-003		122.2533	
Total	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		122.1661	122.1661	3.4900e-003		122.2533	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675		0.0000				0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

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3.4 Grading - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		122.1661	122.1661	3.4900e-003		122.2533	
Total	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		122.1661	122.1661	3.4900e-003		122.2533	

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.363 9	2,553.363 9	0.6160		2,568.764 3	
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.363 9	2,553.363 9	0.6160		2,568.764 3	

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3.5 Building Construction - 2021Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.1572	5.2951	1.3494	0.0141	0.3520	0.0111	0.3631	0.1013	0.0106	0.1120	1,515.030 1	1,515.030 1	0.1083			1,517.736 5	
Worker	0.3494	0.2270	2.6789	8.2500e-003	0.8297	5.7300e-003	0.8354	0.2201	5.2800e-003	0.2254	822.5853	822.5853	0.0235			823.1722	
Total	0.5066	5.5221	4.0283	0.0223	1.1817	0.0169	1.1986	0.3214	0.0159	0.3373	2,337.615 4	2,337.615 4	0.1317			2,340.908 6	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.363 9	2,553.363 9	0.6160		2,568.764 3	
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.363 9	2,553.363 9	0.6160		2,568.764 3	

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3.5 Building Construction - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.1572	5.2951	1.3494	0.0141	0.3520	0.0111	0.3631	0.1013	0.0106	0.1120		1,515.030 1	1,515.030 1	0.1083		1,517.736 5	
Worker	0.3494	0.2270	2.6789	8.2500e-003	0.8297	5.7300e-003	0.8354	0.2201	5.2800e-003	0.2254		822.5853	822.5853	0.0235		823.1722	
Total	0.5066	5.5221	4.0283	0.0223	1.1817	0.0169	1.1986	0.3214	0.0159	0.3373		2,337.615 4	2,337.615 4	0.1317		2,340.908 6	

3.6 Paving - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.210 9	2,207.210 9	0.7139		2,225.057 3	
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.210 9	2,207.210 9	0.7139		2,225.057 3	

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3.6 Paving - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		122.1661	122.1661	3.4900e-003		122.2533	
Total	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		122.1661	122.1661	3.4900e-003		122.2533	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.210 9	2,207.210 9	0.7139		2,225.057 3	
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.210 9	2,207.210 9	0.7139		2,225.057 3	

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3.6 Paving - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335			122.1661	122.1661	3.4900e-003	122.2533	
Total	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335			122.1661	122.1661	3.4900e-003	122.2533	

3.7 Architectural Coating - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Archit. Coating	365.3261						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941			281.4481	281.4481	0.0193	281.9309	
Total	365.5450	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941			281.4481	281.4481	0.0193	281.9309	

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3.7 Architectural Coating - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0692	0.0449	0.5305	1.6300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446			162.8882	162.8882	4.6500e-003	163.0044	
Total	0.0692	0.0449	0.5305	1.6300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446			162.8882	162.8882	4.6500e-003	163.0044	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Archit. Coating	365.3261						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309	
Total	365.5450	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309	

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3.7 Architectural Coating - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	
Worker	0.0692	0.0449	0.5305	1.6300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446			162.8882	162.8882	4.6500e-003	163.0044	
Total	0.0692	0.0449	0.5305	1.6300e-003	0.1643	1.1300e-003	0.1654	0.0436	1.0500e-003	0.0446			162.8882	162.8882	4.6500e-003	163.0044	

3.7 Architectural Coating - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Archit. Coating	365.3261						0.0000	0.0000		0.0000	0.0000			0.0000		0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062	
Total	365.5306	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062	

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3.7 Architectural Coating - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000	
Worker	0.0654	0.0410	0.4933	1.5700e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		156.9120	156.9120	4.2600e-003		157.0185	
Total	0.0654	0.0410	0.4933	1.5700e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		156.9120	156.9120	4.2600e-003		157.0185	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Archit. Coating	365.3261						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062	
Total	365.5306	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062	

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3.7 Architectural Coating - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.0654	0.0410	0.4933	1.5700e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446	156.9120	156.9120	4.2600e-003			157.0185	
Total	0.0654	0.0410	0.4933	1.5700e-003	0.1643	1.1100e-003	0.1654	0.0436	1.0200e-003	0.0446		156.9120	156.9120	4.2600e-003		157.0185	

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Improve Destination Accessibility

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day											lb/day					
Mitigated	3.3921	11.9688	34.9116	0.1221	10.7446	0.0923	10.8368	2.8714	0.0859	2.9573	12,433.43 42	12,433.43 42	0.6281		12,449.13 66		
Unmitigated	3.6703	13.2864	41.4770	0.1499	13.4028	0.1117	13.5145	3.5818	0.1040	3.6858	15,258.46 07	15,258.46 07	0.7491		15,277.18 82		

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
Research & Development	2,522.24	599.03	349.96	4,855,028		3,892,114	
Total	2,522.24	599.03	349.96	4,855,028		3,892,114	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Research & Development	9.50	7.30	7.30	33.00	48.00	19.00	82	15	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Research & Development	0.602700	0.040134	0.179939	0.104242	0.014985	0.005435	0.016642	0.024350	0.001934	0.001888	0.005938	0.000757	0.001056

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1077	0.9789	0.8223	5.8700e-003		0.0744	0.0744		0.0744	0.0744	1,174.7270	1,174.7270	0.0225	0.0215	1,181.7078	
NaturalGas Unmitigated	0.1077	0.9789	0.8223	5.8700e-003		0.0744	0.0744		0.0744	0.0744	1,174.7270	1,174.7270	0.0225	0.0215	1,181.7078	

5.2 Energy by Land Use - NaturalGasUnmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Research & Development	9985.18	0.1077	0.9789	0.8223	5.8700e-003		0.0744	0.0744		0.0744	0.0744	1,174.7270	1,174.7270	0.0225	0.0215	1,181.7078	
Total		0.1077	0.9789	0.8223	5.8700e-003		0.0744	0.0744		0.0744	0.0744	1,174.7270	1,174.7270	0.0225	0.0215	1,181.7078	

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5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Research & Development	9.98518	0.1077	0.9789	0.8223	5.8700e-003		0.0744	0.0744		0.0744	0.0744	1,174.7270	1,174.7270	0.0225	0.0215	1,181.7078	
Total		0.1077	0.9789	0.8223	5.8700e-003		0.0744	0.0744		0.0744	0.0744	1,174.7270	1,174.7270	0.0225	0.0215	1,181.7078	

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.5506	2.9000e-004	0.0322	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0690	0.0690	1.8000e-004			0.0735
Unmitigated	7.5506	2.9000e-004	0.0322	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0690	0.0690	1.8000e-004			0.0735

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6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8007						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Consumer Products	6.7469						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Landscaping	2.9800e-003	2.9000e-004	0.0322	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0735
Total	7.5506	2.9000e-004	0.0322	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0735

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.8007						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Consumer Products	6.7469						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Landscaping	2.9800e-003	2.9000e-004	0.0322	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0735
Total	7.5506	2.9000e-004	0.0322	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004		0.0690	0.0690	1.8000e-004		0.0735

7.0 Water Detail

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7.1 Mitigation Measures Water**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation
